



Monthly Meeting April 7, 2011

Central Location: **Brady's Landing 8505 Cypress St.**
Houston (Social Hour at 6 PM, Dinner at 7 PM)

Satellite Location: Lone Star College - Montgomery
(The Woodlands) (Dinner at 6 PM Russo's Pizzeria ;
Reconvene at 7:45 for technical program)

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April meeting is sponsored by HTRI, TLV, Sotecia and DEKRA

Natural Gas Future

Speaker: Prof. Michael J. Economides, University of Houston

Abstract: While in mid-2008 oil prices climbed to almost \$150 per barrel and then completely unexpectedly and suddenly dropped to around \$40, prompted by the "credit crisis," compounded by economic recession and then moved on back to \$100, natural gas whose international price zoomed to as high as \$25 per Mscf (in parity with oil in Japan) has remained low. Natural gas, at prices significantly below BTU parity with oil for a long time to come, will certainly play a pivotal role in world energy supply and will move towards becoming the premier fuel of the world economy. Prof. Michael J. Economides will be talking about the reasons for this situation and the future of natural gas.

Bio: Michael J. Economides is a chemical and petroleum engineer and an expert on energy geopolitics he is a professor at the Cullen College of Engineering, University of Houston and Managing Partner of Dr. Michael J. Economides Consultants, Inc. with a wide range of industrial consulting, including major retainers by several Fortune 500 companies and national oil companies. He is the Editor-in-Chief of Energy Tribune (www.energytribune.com) and Editor-in-Chief of the peer-reviewed Journal of Natural Gas Science and Engineering, published by Elsevier.

With 15 textbooks and almost 300 journal papers and articles, his works are referenced by almost all practitioners in the field. His latest wide appeal books are *From Soviet to Putin and Back: The Dominance of Energy in Today's Russia* (www.soviettoputin.com), *Energy: China's Choke Point, Energy and Climate Wars* and *The Energy Imperative*.

In the relatively recent past he has served as Senior Technical Advisor to China's CNOOC and subsidiary COSL, to ENI, Italy's main petroleum multinational company and for more than 5 years to Yukos and Sibneft, Russia's major petroleum companies.



We will be giving away 5 copies each of Dr. Economides's two most recent books, "The Energy Imperative" and "Energy & Climate Wars", in a random drawing at the dinner. You **don't want to miss this chance** not only to listen to one of the most prominent and flamboyant figures in the energy industry, but also to come away with one of his books!

Energy Forum— 4:00— 6:00 PM. Pre-Registration requested. Sign up today!

15th Texas Industrial Energy Management Forum

Achieving Superior Energy Performance

Thursday, April 7, 2011

Brady's Landing

8505 Cypress St. Houston, Texas 77012

To register, go to <http://texasiof.ces.utexas.edu/tiof/tiemf0407.asp>

Forum Moderator

Michael Gromacki,

Vice President of Operations / Chief Sustainability Officer

Dixie Chemical Company, Inc.

Member, Texas IOF Advisory Committee



Texas Industries of the Future

Superior Energy Performance is a national site-based energy efficiency certification program which will be launched in 2011. The program is organized around ISO 50001, a soon to be finalized international management standard for energy. Superior Energy Performance was piloted from 2008 to 2010 in Texas by four plants: Cook Composites and Polymers, Houston plant; Freescale Semiconductor, Inc., Oak Hill plant; Owens Corning, Waxahachie plant; and Union Carbide (a subsidiary of Dow Chemical Company), Texas City plant. The plants provided substantial input into the design of the program, as did other end-users on the US Council for Energy-Efficient Manufacturing. The four plants saw verified energy performance improvements from 6.5% to over 15% over a two to three year period.

Come hear what the Texas plants learned about implementing an energy management system and demonstrating energy performance improvements—the benefits, the barriers, and the lessons learned.

3:30 to 4:00 pm Forum Registration and Visit with Exhibitors

4:00 to 6:00 pm Energy Management Forum (See program below)

Presentations:

The Future of Energy Management: ISO 50001 and Superior Energy Performance (30 minutes) by Paul Scheihing, US DOE, Industrial Technologies Program

Mr. Scheihing will present the status of Superior Energy Performance, a national energy-efficiency certification program that was piloted in Texas. He will also describe the forthcoming international standard for energy management, ISO 50001, and its relationship to the Superior Energy Performance certification program.

Implementation of Superior Energy Performance at a Semiconductor Fab (20 min) by Mark Krawczyk Freescale, Semiconductors, Inc

This presentation describes implementation of an energy management system at a semiconductor fab.

Implementation of superior Energy Performance at a Small Batch Chemical Plant (20 min) by Deb Magoon Cook, Composites and Polymers, Inc

Ms. Magoon is responsible for implementing and integrating management systems at CCP plants across the US. She will provide her perspective on integration of the energy management system into existing systems, creating an effective balance of plant responsibilities and corporate support, while leveraging the plant activities to develop.

Implementation of Superior Energy Performance at an Insulation Plant (20 min.), Michele Mazza, Building Materials Group Energy Leader, Owens Corning

This presentation shares first-hand experience of implementing a Management System for Energy and Superior Energy Performance by the Owens Corning Waxahachie, Texas plant. At the time that the plant volunteered for the Texas Pilot Program, the Owens Corning - Waxahachie plant was considered a large plant with a mature energy program - large, due to their actual size and energy consumption; and **mature, due to the company/plant's structure and process for energy, which was already imbedded within the organization.** The presentation discusses the resources required during implementation, identifies external and internal challenges faced during implementation, outlines the benefits a large, mature company should realize from implementing such a program, as well as the challenges the Owens Corning - Waxahachie plant faces going forward.

Panel Discussion (20 minutes), Panelists: Mark Krawczyk, Freescale Semiconductor, Deb Magoon, CCP, Michele Mazza, Owens Corning Dave Hake, Dow Chemical

Awards (10 minutes) by Dub Taylor, Director, Texas State Energy Conservation Office and Paul Scheihing, Program Manager, US Department of Energy

There is no cost for attending the Energy Forum; however, pre-registration is requested so that we can provide adequate facilities. To register, go to <http://texasiof.ces.utexas.edu/tiof/tiemf0407.asp>. If you are unable to attend in person, AIChE will be running a live webinar from the Energy Forum, and you can sign up at: <http://apps.aiche.org/chemeondemand/Preview.aspx?ID=60122057-000a-42cf-a0b7-20aca6d81cd8>. Fees do apply for the webinar, but if you are an AIChE member you may use your webinar credits instead of payment. The webinar requires 1.5 credits. Each AIChE member gets 6 free credits per year. (Please note that the Energy Forum webinar is separate from the dinner meeting webcast.)

If you are interested in exhibiting at the Forum, contact Alan Rossiter at alan@rossiters.org or 713-660-9503. Funding for the Energy Management Forum is provided by the US Department of Energy, under a contract with the State Energy Conservation Office of the Texas Comptroller of Public Accounts

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.

	Pre-Registration Members	Pre-Registration Non-Members	At the door Members	At the door Non-Members
Regular/Retired	\$15	\$20	\$25	\$30
Student/Unemployed	\$10	\$15	\$20	\$25
North Houston satellite meeting location	\$11	\$11	\$11	\$11

NOTE: You have until 4 PM CST on April, 6th 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>

Meeting Location—Brady's Landing Restaurant



This month's meeting will be held at [Brady's Landing Restaurant](#) (8505 Cypress St, Houston, TX - 77012). Double click on the map to the left for directions from your location. Satellite meeting will be held at [Lone Star College - Montgomery](#) (Building B Room B-205) at 3200 College Park Drive, Conroe, TX 77384. Double click on the map to the right for directions. Please note the new meeting room for the satellite location.



North Houston Satellite Meeting Information

Join us without driving too far for some local networking...as we continue our efforts in 2011 to establish a satellite location of the AIChE South Texas Section (STS) monthly meeting. The STS has great speakers, and we have now established the technical capability to participate virtually, thus limiting the travel involved for members and guests on the north side of Houston. For the pioneers who participated in our first few meetings, we now have conquered the "sound demons". Thanks to all who helped and who understand "start-up" issues both in plants and in meetings.

Please join us for pizza and great conversation at Russo's prior to the meeting. Guests are welcome. On-line pre-registration is available but not required. Russo's is located directly across FM 242 from Lone Star College in the strip center (next door to McDonald's).

- ◆ 6:00 PM **Russo's Pizzeria**, 335 College Park Drive, Suite 300 (ph:936.273.6060)
- ◆ \$11.00 / person
- ◆ 7:45 PM Lone Star College, **Building B, Room B-205**





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YPGiving

YPGiving will sponsor one Young Professional (including ChE students) to our monthly dinner meetings. To qualify, you will have to share new ideas about potential YP activities that would be beneficial to young chemical engineers and also provide constructive feedback to our activities. Email your 3-4 sentences to sts-yp@aiiche.org and we will let you know if you are the lucky winner. If you know any YPs, please share this with them.

YP Events

Plant Tour – ConocoPhillips Sweeny Refinery (Last Call to sign up!)

We still have a few spots available. Young Professionals are organizing a plant tour on April 15th. ConocoPhillips will be providing us a tour of their Sweeny Refinery and an overview of various unit operations.

When: April 15, 2011 (Friday)

Time: 1 – 4 PM

Where: Sweeny, TX

RSVP: Jayce Mathews at sts-yp@aiiche.org

Cost: Free

We are still accepting RSVPs at this time; we have limited slots available, they are on first-come, first-served basis. Once we receive your RSVP's, we will email you the details. Refreshments will be provided.

University of Houston – Campus Visit Highlights

The YPs visited University of Houston on March 23rd and gave an info session about STS and AIChE to the ChE students, the presentation emphasized the role of AIChE before and after graduation. The YPs also gave a brief overview of their job profiles which drew considerable **amount of interest among the students. STS YP's were represented by Jayce Mathews, Kelly Richardson, Bryan Pourchot and Carlos Salamanca**; in addition, Bryan gave a presentation on SCR catalysts. The meeting was also attended by Dr. Micky Fleischer, Adjunct Professor of the Chemical & Biomolecular Engineering Department at UH. A special thanks to Abel Morales, UH AIChE Student Chapter President for helping out the YPs with their visit. Below are a few snapshots from the campus visit:



Young Professionals are on

We have been active on Facebook for quite some time. Check us out and ChEnect with us at



<http://www.facebook.com/STS.AIChE.YP> and

us.

Featured YP of the Month

This month's featured YP is someone who is very much active but is always behind the scenes – it's none other than our newsletter editor, Maxine Madison. Maxine is a new addition to our newsletter team. She does a great job of compiling articles from all of us, organizing them and putting the newsletter together in a timely fashion – the result is a fine newsletter that you read every month. Let's learn more about Maxine....



Tell us about yourself:

I am a native of Roxie, MS (a small town close to Natchez, MS) and I obtained my BS in chemical engineering from Mississippi State University in 2002. In 2007, I earned a PhD in chemical engineering from Texas A&M University with an emphasis on biomass pretreatment for the Mixed Alcohol (MixAlco) process under the direction of Mark Holtzapple (last month's dinner speaker). One of the pretreatment methods explored in my doctoral research is currently being pursued for a patent. I am also a member of Alpha Kappa Alpha Sorority, Inc. and enjoy writing and traveling. I am happily married to David Madison, a minister in the African Methodist Episcopal Church.

What do you like most about your current job and what are your responsibilities?

I joined ConocoPhillips in 2006 as a research engineer in the Biofuels R&D Group where I worked for 2.5 years in Ponca City, OK before transferring to Houston, TX to work as an associate engineer in the Heavy Oil Technology Group. Last year, I transferred into the Ecosystems & Land Use Group as an Environmental Resources Analyst and my responsibilities include managing a portfolio of projects that help ConocoPhillips meet its environmental obligations. What I love most about my job is working on new technologies that will benefit the environment. I also enjoy interacting with our business units around the world and representing the company on Joint Industry Projects. The work is very exciting because the environmental arena is constantly changing, with new regulations and new issues arising regularly.

How has STS and AIChE benefited you?

Being involved in STS and AIChE has allowed me to broaden my network and hone my presentation skills by participating in the Process Technology Conference YP Session and as an AIChE ambassador in Oklahoma. Additionally, as the newsletter editor, I have a platform to do something I love - writing and editing - and give back to AIChE at the same time.

Any advice for the ChE students who will be graduating in May?

Don't be afraid to step outside of your comfort zone and try something new. My background is in biofuels, but I gained valuable experience by working as a reservoir engineer in our Heavy Oil Technology group for a year. Also, network as much as possible. You never know who will open the next door of opportunity for you!

News form other Professional Societies

AIChE course offered by ASME in Houston on "**Essentials of Chemical Engineering for Non-Engineers**", When: **June 6-8** Where: **Omni Hotel, Houston**. Click the following link for more information.
http://catalog.asme.org/Education/ShortCourse/Essentials_Chemical.cfm

Future STS-AIChE Dinner Meetings

May Monthly meeting will be held on **May 5, 2011** at **Brady's Landing**. May meeting is co-sponsored by **JM Catalysts and Tracerco**. **Gary Gildert** will be giving the dinner presentation on "**Catalyst Development**".

"Father of Chemical Engineering" Neal Amundson Passes Away

Neal Amundson, Cullen Professor Emeritus of Chemical and Biomolecular Engineering and Professor of Mathematics at UH, passed away on Feb. 16 at age 95. Widely regarded as one of the most prominent chemical engineering educators in the country, Amundson was a pioneer of chemical reaction engineering. His longstanding research contributions to the field of chemical reaction engineering included analyzing and modeling chemical reactors, separation systems, polymerization and coal combustion. He was inducted into the National Academy of Engineering in 1970 for his pioneering research into the fundamental analysis of chemical processes as well as for his role in engineering education.



A memorial service for Professor Amundson was held March 14 at UH's Cullen College of Engineering. For those who missed it, this memorial tribute can be viewed on the UH website following the link <http://tinyurl.com/47tsaka>

Call For Volunteers

The South Texas Section of the American Society of Mechanical Engineers has invited the STS-AIChE to participate in their annual leadership training event on a Saturday this August or September. STS-AIChE is looking for Volunteers to help contribute and brainstorm ideas such as what areas of leadership most need training in STS which will not be covered by ASME, what methods of training (talks, brainstorming, guided case studies) would best get the material across?, Who would be good speakers? etc that can be incorporated to the Annual Leadership Training program organized by STS-ASME to help meet the overall leadership training needs of STS-AIChE. These volunteers would have a strong say in how we do our training. If you're interested, contact Matt Kolodney at mkolodney1@comcast.net or 713-471-8956

The Career and Education Operating Council (CEOC) of AIChE (National) has studies underway in several areas of interest to AIChE members. Additional volunteers are needed for committees performing the areas listed below. Working on one of these committees teaches you about the operation of AIChE, as well as teamwork, management, and leadership. Lessons from the latter three will spill over into your job, personal life, and other nonprofit organizations. The committee topics include:

A. Leadership development — New options for the training and development of leaders in AIChE. Our current methods are useful, but we're looking at others, too.

B. Fundraising — There is a modest but significant budget gap in AIChE National, and we can better serve our members if we can shrink it. Additionally, the programming of many local sections could benefit from fund raising.

C. Local Section Committee (LSC) Support — Unlike the STS, many local sections are facing difficulties, and the LSC is developing projects to assist "local sections in need."

D. Membership — The AIChE needs to work on increasing membership of National and of local sections. We're looking for additional good ideas. This includes how to explain the benefits of membership, how to encourage more student members to become YPs and how to encourage more first-time attendees at local section meetings to return and get involved.

E. Communication — Many AIChE members don't seem to learn about AIChE events and programs that they later wish they'd heard about. How can we improve communications with members? This could include mailings, web sites, e-mail, telephone, etc.

These studies will involve identifying and evaluating alternatives, preparing "best practices" for local sections, and executing developmental projects.

If you might be interested in one or more of these areas, please contact Matt Kolodney (mkolodney1@comcast.net or 713-471-8956)

STS-AIChE is looking for a volunteer assistant webmaster to help our webmaster. Responsibilities include maintaining the STS website, updating information as needed on the website, and making improvements to the website. This is an ideal position for a web-savvy member who wants to get more involved in STS-AIChE. If you are interested please contact sts-webmaster@aiche.org or sts-position3@aiche.org

Job Opening Advertisement from Gulf Publishing Company

Gulf Publishing Company (Houston, Texas) is seeking an editor for its industry-leading publication, *Hydrocarbon Processing*.

The ideal candidate should have a BS degree in engineering or similar discipline and five to ten years of experience working in the hydrocarbon processing industry (refining, petrochemical/chemical and gas processing), or extensive experience working as an editor in the refining and petrochemical industries with extensive experience with technical information. Experience in process design and/or facility maintenance is a bonus.

The process editor will be responsible for researching and editing technical articles for print and website applications, monitoring trends for the hydrocarbon processing industry, and maintaining a strong technical background on the latest technology innovations for the energy industry.

Excellent written and verbal communication skills are mandatory, and the ability to work under tight time deadlines in a sometimes high-pressure environment is required. Travel (possible international) 2-4 times a year, to represent Gulf Publishing Company, by attending international industry conferences and trade shows is required.

The salary is \$70k per annum with opportunities for quarterly bonuses. Gulf Publishing offers an excellent work environment and benefits. Candidate must be a resident legal alien or citizen of the USA. E-mail your resume to resumes@gulfpub.com. No phone calls please.

It's Awards Time!

It is once again time to nominate an STS member for our annual awards for 2010:

- Outstanding Young Professional Award
- Distinguished Service Award
- Best Fundamental Paper
- Best Applied Paper Award

For requirements of each award, visit the web page: <http://sts.aiche.org/content/awards>. The page provides a summary of the awards, and contains links to more detailed descriptions of each award.

To nominate a member for an award, complete the online form at the web page

<http://sts.aiche.org/webform/award-nominations>.

If you do not have web access or prefer the printed form, print out the forms from the next two pages.



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South Texas Section – AIChE - 2010 Annual Awards Nomination Form (Page 1 of 2)

THIS NOMINATION FORM MUST BE RECEIVED BY MAY 1, 2011 TO BE ACCEPTED!

E-mail the completed form to:

Thomas E. Menn	or	Rajneesh Varma , Ph.D.	or	Anand Nilekar, PhD
P. O. Box 458		Shell Global Solutions (US) Inc.		Shell Global Solutions (US) Inc.
Pearland, Texas 77588-0548		Westhollow Technology Center		Westhollow Technology Center
Tel: 281-485-3719		3333 Highway 6 South		3333 Highway 6 South
ThomasMenn@SBCGlobal.net		Houston, Texas 77082		Houston, Texas 77082
		Tel: 281-544-6297		Tel: 281-544-6289
		Rajneesh.Varma@Shell.com		Anand.Nilekar@Shell.com

Once the nomination is submitted, you will receive an email from the STS Awards Committee confirming receipt of the nomination.

NOTE: ONLY ONE PERSON OR PAPER MAY BE NOMINATED PER FORM!

NOMINATOR'S NAME: _____
ADDRESS: STREET: _____
CITY: _____ STATE: _____ ZIP CODE: _____
TELEPHONE NUMBER: (_____) _____
EMAIL ADDRESS: _____

I wish to nominate _____
(Enter Name of Nominee or Title of Paper on the above line.)

ENTER CONTACT INFORMATION FOR NOMINEE OR AUTHOR:

NOMINEE or AUTHOR'S NAME: _____
ADDRESS: STREET: _____
CITY: _____ STATE: _____ ZIP CODE: _____
TELEPHONE NUMBER: (_____) _____
EMAIL ADDRESS: _____

TYPE OF NOMINATION: (PLEASE CHECK ONLY ONE SPACE BELOW.)

_____ 2010 STS Outstanding Young Professional Award (Under age 35)*
_____ 2010 STS Distinguished Service Award (Over age 35)*
_____ 2010 STS Best Fundamental Paper Award (Please complete page 2)
_____ 2010 STS Best Applied Paper Award (Please complete Page 2)

*For STS Outstanding Young Member or Distinguished Service Awards, please provide a supporting document stating the reason you feel that this person is deserving of this award. E-mail the completed form and recommendation to one of the addresses above.

South Texas Section – AIChE - 2010 Annual Awards Nomination Form (Page 2 of 2)

Please enter the name of the Best Paper again: _____

(Sorry to trouble you but this is in case the sheets get separated.)

Enter the contact Author's name again: _____

(Sorry to trouble you but this is in case the sheets get separated.)

FOR BEST PAPER NOMINATIONS, LIST THE NAMES OF THE AUTHORS AND CHECK ALL BLANKS THAT APPLY:

MEMBERSHIP

Note: At least one author must be an STS Member. AICHE STS

Co-Author #1: _____

Co-Author #2: _____

Co-Author #3: _____

Co-Author #4: _____

Co-Author #5: _____

Co-Author #6: _____

Co-Author #7: _____

Co-Author #8: _____

[Add additional authors on an attached sheet if necessary.]

For Best Paper nominations, please provide following information:

NAME OF PUBLICATION: _____

DATE OF PUBLICATION: _____

VOLUME NO. (if known): _____ PAGES: _____ to _____

PLEASE ATTACH AN ELECTRONIC VERSION (*.PDF) OF THE PUBLISHED ARTICLE.

Once the nomination is submitted, you will receive an email from the STS Awards Committee confirming receipt of the nomination.

K12 Volunteer Opportunities

AIChE and STS are working to start up K12 outreach programs. We are encouraging STS members to attend various local outreach events and report back to STS and AIChE on their experience. We are encouraging STS members to report back to Matt Kolodney (mkolodne@tceq.state.tx.us) with one-page descriptions of their K12 outreach experiences, what worked well and what didn't. These will be reviewed locally and passed on to the AIChE National K12 program. Some local K12 opportunities are listed below.

HUNSTEM web site: <http://hunstem.uhd.edu/> Already has a wide range of educational resources for use by interested teachers and volunteers. AIChE (national) is encouraging cooperation with organizations such as HUNSTEM.

IEEE [http://www.ieee-houston.org/Committees/SAC/Brochure IEEE%20Houston 7 Oct 2007.pdf](http://www.ieee-houston.org/Committees/SAC/Brochure%20Houston%207%20Oct%202007.pdf) This ongoing Houston Area program assists local schools with teacher training demonstrations.

SEFH <http://hunstem.uhd.edu/SEFH/> Science and Engineering Fair of Houston

Houston Museum of Natural Science (<http://www.hmns.org>) has ongoing outreach programs and could use more volunteers.

The Houston Children's Museum (<http://www.cmhouston.org>) also has outreach programs.

For more information, contact Matt Kolodney (713-471-8956) or mkolodne@tceq.state.tx.us.



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Awards

Todd Willman Receives 2010 STS – AIChE's 'Gary Award'

Todd Willman was presented the South Texas Section – AIChE's 'Gary Award' at the March 3rd STS Monthly Dinner Meeting by STS Past Chair Alan Rossiter. Todd was awarded the 2011 STS – AIChE's 'Gary' Award by the STS Executive Committee in recognition of his considerable efforts in behalf of the very successful South Texas Section/AIChE's 2009 and 2010 AIChE Regional Process Technology Conferences at Moody Gardens Hotel in Galveston, TX. The 'Gary Award' is a memorial to Gary L. Leach who served the South Texas Section in a number of positions including Chair, AIChE Director, and died suddenly while serving as President of AIChE. Previous recipients of this award are Ed Ekholm, Keith Bowers, and Freeman Self.





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Awards continued

Kelly Richardson Named STS-AIChE 2011 Young Chemical Engineer of the Year

Ms Kelly Richardson was named the South Texas Section - AIChE 2011 Young Chemical Engineer of the Year at the 2011 Young Engineers Dinner held at the February 23, 2011 Young Engineers Award Recognition Dinner at the Intercontinental Houston Hotel. The award presentation was repeated at the March 3 STS Monthly Dinner Meeting with STS Secretary/YP Member Carol Schmidt presenting the South Texas Section - AIChE 2011 Young Chemical Engineer of the Year Award to Kelly.

Kelly Richardson works as a Process Engineer for AMEC Paragon. She has four years of experience in onshore and offshore oil and gas production process design. The elimination of continuous flaring has been the primary objective of several of her recent projects. She graduated from Michigan Technological University with a B.S. in Chemical Engineering and a Minor in Economics in 2003.



She has maintained membership within AIChE throughout the course of her education as well as during her professional career. Kelly served as Chair for the Young Professionals group and as a member of the Nominating Committee of the South Texas Section American Institute of Chemical Engineers (STS-AIChE) in 2010. She also served as the Young Professionals Tutorial Chair for the 2010 AIChE Process Technology Conference. Other positions she has held within STS-AIChE include Vice-Chair and Membership Chair for the Young Professionals group. For the “magical” STS December Social last year, Kelly led the Young Professionals in planning, organizing and implementing this event.

In addition to AIChE activities, Kelly has also served as a mentor at the Spring Woods Middle School over the past four years. She also joins her colleagues twice a year by participating in the Rebuilding Houston program. In her spare time she enjoys a variety of activities including ice skating, roller skating, west-coast swing dancing, bowling, and running.

Four South Texas Section Members Recognized for 50 Years of AIChE Membership

Four South Texas Section Members were recognized for 50 years of AIChE Membership at the March 3 STS Monthly Dinner Meeting held at the Pelazzio Banquet Halls with STS Past Chair Alan Rossiter presenting the 50 AIChE Membership Certificates. Those honored were: Carter B. Conlin, Robert J. (Bob) Hlozek, Harold C. Kaufman, Willie E. Robert III

Photo (L - R): Willie Robert, Robert (Bob) Hlozek, Harold Kaufman & Carter Conlin



Awards continued

Carter B. Conlin – Carter graduated in 1945 with a BEChE from the University of Southern California and received his MSChE from USC in 1947. In addition to being a Senior Member of AIChE and a member of SBE, Carter is a member of the Transport & Energy Processes, Fuels & Petrochemicals, and Computing & Systems Technology Divisions. During World War II he was an Assistant Communications Officer on a destroyer and served on other destroyers during the Korean War in the positions of CIC, Operations, and Executive Officer in the U. S. Navy. After completing his tour of duty with the Navy, Carter joined Texaco in New York and while working for Texaco he pursued his PhD from 1953 to 58 at Columbia University but cut it short because Texaco offered him an opportunity to work at the refinery in Abadan, Iran remaining there until 1963. With Texaco he spent 11 years in refinery engineering design and then stints at various refineries and locations as a Chief Process Engineer, Supervisor of Operations, Production and Trading totaling 34 years.



Carter and his wife, Nancy, have been married 38 years and she has helped raise his five children from his first marriage and they have been blessed with three fine grandchildren. He is a past Commander General of Naval Order, a Past National Vice President of The Navy League, and conducts the annual Pearl Harbor Memorial Ceremonies on Battleship Texas on the First Saturday in December. Carter also plays tennis two times a week, was the Singles Champion for men over 85 at the Texas Spring Tournament, flies a light plane about once a month, and plays classical piano.

Robert J. (Bob) Hlozek – Bob graduated from Texas A&M University in 1961 with a BSChE. He has over 50 years of technical experience in the Oil & Gas, Refining, Petrochemicals, and Specialty Chemicals industries. Bob retired from Dow Chemical Company in 2007 after 19 years of service. Bob started his engineering career with ICI America after graduating from A&M. He also worked for Celanese, Northern Natural Gas (Enron), Production Operators (Schlumberger) and the engineering/construction firms, JF Pritchard (Black & Veatch), Crawford and Russell (A Kvaerner), and Gulf Interstate Engineering before joining Union Carbide (Dow). About half of his career has been spent in technical supervision and management. He is currently president of RJH Consultants LLC, located in The Woodlands, Texas, and is a part-time instructor for John M Campbell.



Bob has authored 10 technical papers and was awarded a patent. He did graduate work toward an MBA at the University of Delaware. A registered Professional Engineer of Texas, Bob is currently a member of AIChE, South Texas Section of AIChE, Society of P.E. of Texas, and Houston Gas Processors Association (and current Board of Directors member). He served as Chair for the East Texas Section of AIChE in 1967, past member of the Delaware Section of AIChE, American Association of Cost Engineers, Society of Petroleum Engineers, and NACE.

Bob is a member of Houston and Montgomery County A&M Clubs, A&M Association of Former Students and the 12th Man Foundation, Knights of Columbus, and has chaired several organization and university conferences. He has also served as Master of Ceremony for numerous company social functions. Bob and his wife, Carolyn, reside in The Woodlands and are proud parents of two children, a son and a daughter.

Harold C. Kaufman – Harold received his BSChE in 1951 from Iowa State University followed by an MSChE from Iowa State in 1956. He is a Senior Member of AIChE as well as a Registered Professional Engineer in Texas. After receiving his BSChE he joined Texaco at their Lockport, Ill refinery, and shortly was drafted into the U. S. Army, served in the Army Transportation R&D Corps, and mustered out as a Corporal. After leaving the U. S. Army, Harold returned to Iowa State for his MSChE, then returned to Texaco, and worked in Refining and Engineering areas. He retired in 1994 as Manager of Texaco Technology world-wide. After retirement, he worked as a consultant for Lummus, North Atlantic Refining, UOP, and Bechtel. He has eight patents and was the creator and publisher of Texaco Technology Today when he was Manager of Texaco Technology. Harold and his wife, Nancy, are the beaming parents of three daughters who have presented them with four fine grandchildren.



Willie E. Robert III – Willie graduated from Louisiana State University in 1961 with a BSChE. He is a Senior Member of AIChE as well as the Computing & Systems Technology Division. Willie served in the U. S. Army (Armored) 1st Lieutenant. After serving in the Army, he joined Cities Services where he worked in plastics and plastics product development after 13 years he joined Crawford & Russell. This was followed by four years with Brown and Root and two years at Fish Engineering and one year at TENSA Services. Willie then joined John Brown which eventually became Aker Solutions where he remained for 25 years, retiring as a Senior Process Engineer. He has published a paper, likes to play tennis, and is the father of six children. He and his wife are the proud grandparents of twenty two grandchildren.



Science Fair Volunteers Needed

The Science Engineering Fair of Houston (SEFH) will take place, Thursday-Saturday, April 7-9, 2011, at the George R. Brown Convention Center in downtown Houston. The South Texas section of AIChE will participate in SEFH in four ways:

- ◆ Financial sponsor. STS will make a financial contribution to the fair.
- ◆ Special Awarding Agency. We present four special awards for the best projects related to Chemical Engineering. (Friday, April 8, 2011, evening)
- ◆ Traditional Judging. We supply judges to the traditional science fair judging process that determines the winners of awards in each category (e.g., 1st, 2nd, 3rd in physics). (Friday, April 8, 2011, daytime)
- ◆ Career Expo. The first career exposition during the public viewing hours of the science fair on Saturday, April 9 from 9 AM – 2 PM. STS will set-up a booth describing Chemical Engineering.

Of the four items mentioned above, three require volunteers available on April 8 or 9. To volunteer, visit the SEFH web site, <http://hunstem.uhd.edu/SEFH/SEFHintro.html>, **so you'll know what's going on. Consider the following opportunities:**

Opportunity # 1. Special Awarding Agency judge for AIChE--- Be a volunteer who gathers with fellow members of the South Texas Section on Friday night, April 8, to pick the best projects related to Chemical Engineering. We first determine which projects are related to Chemical Engineering in the entire fair and then choose the best projects among those identified as related to Chemical Engineering. This is usually interesting and a lot of fun. Typically the STS judges socialize afterwards. For more information, see the section related to special awards judging at <http://hunstem.uhd.edu/SEFH/judges.html>.

Opportunity #2. Judges are needed to determine place order in all of the categories of the science fair (truly SEFH's greatest need). If you choose to do this you will interview and score a number of students competing in only one category and age-level of the science fair; e.g. junior-high environmental science, ninth-grade chemistry, senior engineering, etc. This type of judging takes place during the day on Friday, April 8, 2011. For more information, see parts related to place award judging at <http://hunstem.uhd.edu/SEFH/judges.html>.

Opportunity #3. Volunteers are needed to man the AIChE booth at the Career Expo on Saturday, April 9, 2011, from 9:00 AM to 2:00 PM. The Career Expo corresponds with "open to the public" hours for the science fair. For more information on the Career Expo, see <http://hunstem.uhd.edu/SEFH/CEA-SEFH%20EXPO.htm>.

If one of these opportunities interests you, contact Ernie Althaus at 713-839-7463 (home), 713-410-7434 (cell), or ernie.althaus@alumni.utexas.net. Also, visit the SEFH web site noted above for more details.

Creativity Needed

STS-AIChE needs help designing posters for our K-12 booth used at career fairs and outreach events. Contact Heather Gilligan at hkgilligan@gmail.com for more information.

Save the Date!

The Boy Scout Fair will be held April 16th at Reliant Arena. Volunteers will be needed to support this event. **Look for more information in next month's newsletter.**

Upcoming AIChE/SPE Joint Workshop



September 26-28, 2011
Omni-Houston Westside
Houston, TX, USA

Cosponsored by the American
Institute of Chemical Engineers
(AIChE) and the Society of
Petroleum Engineers (SPE)

Challenges in Flow Assurance and Crude Oil Quality

This joint AIChE/SPE workshop will focus on the integrated relationship between flow assurance and facilities design. The integrated approach to flow assurance involves reservoir, subsea, and topsides engineering teams evaluating all aspects of field development and discussing the impact of flow assurance solutions.

Technical Advisory Committee:

Norman Carnahan, Carnahan Corporation

Scott Hickman, ExxonMobil

David Rosenthal, Jacobs Engineering

Dendy Sloan, Colorado School of Mines

Hariprasad Subramani, Chevron Energy Technology Company

Irv Wiehe, Soluble Solutions

For more information, visit <http://www.aiche.org/conferences/specialty/6thSPEWorkshop.aspx>

Volunteers Needed for OTC 2011

The 2011 Offshore Technology Conference (OTC) will be held 2-5 May at Reliant Park. Volunteers will receive a complimentary OTC registration and a free parking pass (good for the entire OTC) for attending an orientation meeting the week before (to pick up badges and parking passes) and for contributing about five hours time to either the Arrangements, Registration, or Student Tours Conduct Committees during the OTC.

For more information contact Thomas E. Menn via regular mail at P.O. Box 458, Pearland, Texas 77588-0458. Or call or email Tom at 281-485-3719 or thomasmenn@SBCglobal.net.

STS Volunteer Opportunities

General considerations. It would be great if AIChE had an implantable chip to distribute to members giving them **instant chemical engineering expertise**. Unfortunately, AIChE National says that's a long way off. Additionally, thinking back to engineering school, if we wanted to learn to be an engineer, we had to go to class and do homework. As STS members, we can benefit from attending meetings, from networking, and from reading CEP, but even greater benefits are the experience and the contacts that come from being an active volunteer.

At STS, we have a number of opportunities to volunteer and grow. You can exercise your current skills or learn new skills. You can ask for and choose a job you want (would enjoy doing). Your volunteer job can help prepare you for a paid job. Others will be happy to assist you in learning and performing it. We want you to succeed and grow. We **have found that if you do something you enjoy, you'll do well**. It's a win-win situation, for you and for us. This is also an opportunity to try a new opportunity, to see if you like it, and to do so without risking your current job.

K-12 Outreach Committee. An excellent opportunity for engineers who want to work with others. You can experience different ideas and methods in educational outreach, and help AIChE plan the upcoming STS K-12 outreach program. Interface with AIChE (national) SIOC, work with other technical people, with other local societies, with students and parents, and with teachers. Other people have already developed the outreach activities. We can provide contacts in school systems, contacts with various local outreach programs, pre-developed activities, and examples of outreach in other local sections. For now, you get to show up for a day, get the experience, and report back to us at AIChE. If and when you like, you can try out some of your own ideas. The contacts, experience, and understanding you have developed will help your own program to succeed.

Custom-Designed Opportunities. If you'd like to get involved, but none of these opportunities is close enough to what you want, contact the STS Volunteer Recruiter (me), and we'll try to design an opportunity to meet your individual needs. It has been done successfully in the past.

If you're interested, contact our STS Volunteer Recruiter, Matt Kolodney, mkolodne@tceq.state.tx.us.

Chemical / Engineering Opportunities (C/EO)

Are you unemployed and looking for work? The STS provides a service that finds engineers work.

Since it began in 1983, Chemical/Engineering Opportunities (C/EO) has provided more than 1,000 chemical engineers and chemists to chemical manufacturing companies, analytical chemical laboratories, environmental firms and process design firms seeking such individuals to meet their technical needs.

C/EO is sponsored by South Texas Section of the American Institute of Chemical Engineers. The charter of the committee is to facilitate the re-employment of chemical engineers in the Houston area.

Chemical engineers wanting to participate in C/EO must meet the following criteria:

- * You are unemployed.
- * You are a member of both the National AIChE and the STS Local Section. When you visit our office, have your membership card available.
- * You must volunteer a minimum of 3 hours per week in the C/EO office, helping answer the phones, indoctrinate new Volunteers and, most importantly, help in the mailing of the Profiles.
- * Volunteers must reside in the Houston Metropolitan area. Volunteers who fail to show are delisted.
- * Provide addresses, phone numbers and contact names of 14 companies which typically employ chemical engineers or chemists. This ensures our database remains current.

For more information, please contact the C/EO Director, Jim Murphy, at jrmurphy2@aol.com. The C/EO page on the STS website is: <http://sts.aiche.org/content/ceo-chemical-engineering-opportunities>.

The C/EO Office is located at:

c/o Halliburton Co. USA

10200 Bellaire Blvd., Suite BNW 3

Houston, Texas 77210

Telephone: (281) 575-4348

Fax: (281) 575-5258



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Young Professionals: Jayce Mathews
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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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Maintain your contact information with the South Texas Section using the online community:

<https://www.memberconnections.com/olc/pub/CHM/>

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

Select the link to [View/Update Your Online Directory Listing](#).

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 with comments, questions, suggestions, and ideas for next month.

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