



Monthly Meeting May 5, 2011

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

Satellite Location: Rico's Mexican Grill (The Woodlands) Social Hour at 6 PM; Dinner at 7 PM, Technical program at 7:45 PM

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Our May meeting is sponsored by Johnson Matthey Catalysts and Tracerco

### Catalyst Development: The Story of PRICAT<sub>JM</sub> PD 468

Dinner Speaker: Gary Gildert, Johnson Matthey Catalysts

**Abstract:** Step three of the "Eight Steps to Specify a Catalyst Bed" is selecting the catalyst. The process of developing and selecting catalysts is often shrouded in mystery. Examining the history of a product development can demystify the process. This is a story about the development of a selective hydrogenation catalyst, PRICAT<sub>JM</sub> PD 468, presently in use for the conversion of vinyl acetylene to butadiene. This story will describe a sometimes personal history of a catalyst that had its roots in a failed project in the 80's, imaginative but unsuccessful efforts in the 90's, several false starts in the 00's, and finally success in 2010.

**Bio:** Gary Gildert has been an active member of the South Texas Section of the AIChE for the past four years serving as Chair of the PE/PO workshops, Position 1 Executive, and presently co-producing our meeting webcasts. He has previously contributed to two workshops and served as a dinner speaker.

Gary 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 hydrotreating 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 10 years in Ontario and two winters in 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 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, finance, etc. Gary joined Johnson Matthey Catalysts in 2008 with responsibilities for technical service and marketing new hydrogenation catalysts.



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

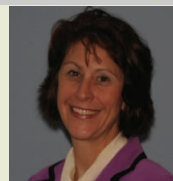
### Personal Development Workshop

**Speaker:** Teresa Jurgens-Kowal

#### Social Networking

**Abstract:** Join us for a live Linked In workshop – Bring your laptop! Job searching in the 21st century involves maintaining an on-line presence. In this workshop, you'll learn how to set up a Linked In profile (be sure to have a Yahoo or Gmail e-mail address with you), join groups, search, post & answer questions. You'll learn how to research companies and connect with key employers. This is a hands-on, interactive workshop, so bring your questions and experiences to share with the group.

**Bio:** Teresa Jurgens-Kowal, Ph.D., PE (State of Louisiana), NPDP, has over 17 years of experience as a chemical engineer in industry and consulting. She is an accomplished visionary and results-oriented professional with extensive industry experience from creative research to effective portfolio management through stream-lined new product development processes. Teresa holds chemical process and catalyst patents, and is published in the Journal of the American Chemical Society and the Journal of Physical Chemistry. She is also a frequent book review contributor to the Journal of Product Innovation Management and a member of AIChE. In her leisure time, Teresa pursues amateur photography, scrapbooking, and gardening.



### Computing and Systems Technology (CAST) Workshop

**Speaker:** Dale Embry

#### Excel® Tips and Tricks

**Abstract:** Have you ever wondered what else you can do with Excel® other than make basic graphs and tables? Come to this workshop and explore how you can be more productive with Excel® using advanced formulas and advanced charting techniques. In this short session you will see how you can

- ◆ Use Ranges to make formulas easier to maintain
- ◆ Use Array formulas to reduce spreadsheet clutter
- ◆ Use spreadsheet references to make portable linked spreadsheets
- ◆ Use simple macros to automate activities

Other topics will be covered as time allows.

**Bio:** Dale Embry began working for Phillips Petroleum Company in October of 1979 in Phillips Technical Computing group in Bartlesville, Oklahoma. He earned a BS (1977) and MS (1980) in Chemical Engineering from Texas A&M University and has done post graduate work in phase equilibria at the University of Tulsa. He is presently a registered Professional Engineer in Oklahoma.

Dale is a Senior Principal Modeling Engineer in the Heavy Oil branch of ConocoPhillips Research & Development. In his present position, he provides technical guidance for research on characterization of heavy oils and modeling processes involving heavy oil extraction and upgrading. Over his career he has worked in several organizations within ConocoPhillips as a process modeling and physical properties consultant.



### PE/PO Workshop

**Speaker:** Lowell Pless

#### Tales from the Plant: Distillation Operation Troubleshooting

**Abstract:** An array of on-line diagnostic services are available to assist Chemical Engineers with troubleshooting or re-designing problems by providing additional data, real-time information on how pieces of process equipment are actually operating. The most common application is gamma scanning. This test is primarily applied to distillation or separation columns but also has application to other process vessels and drums. Gamma scans provide a density profile of the internal process of operating distillation columns and other process vessels. The density profile can be used to diagnose the hydraulic operating conditions of mass transfer devices such as damage to internals, flooding, degree of entrainment or weeping, liquid levels on trays and distributors, liquid distribution through packed beds, etc.

A derivative from gamma scanning, CAT-scans, will be demonstrated. The CAT-Scan technique is a specialized horizontal gamma scan used to generate a topographic profile of the internal cross-sectional density of process equipment. This profile is useful for the detailed study of liquid flow distribution through packed columns. The presentation will consist mostly of case studies, from the obvious to the obscure.

**Bio:** Lowell Pless, located in Pasadena, TX is currently Tracerco's Business Development Manager for Distillation Application. Lowell has been applying radioisotope techniques in process troubleshooting for 25+ years. He previously held positions in Europe and North and South America as Operations Manager. He earned a BS degree in Chemical Engineering from the University of Texas at Austin, is a registered Professional Engineer by the State of Texas, and has been a life-time member of AIChE.



## 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.

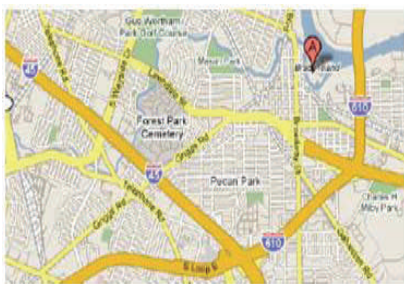
	Pre-Registration Members	Pre-Registration Non-Members	At the door Members	At the door Non-Members
Regular/Retired	\$15	\$20	\$25	\$30
Student/Unemployed	\$10	\$15	\$20	\$25
North Houston satellite meeting location	\$18	\$18	\$18	\$18

NOTE: You have until 4 PM CST on May 4th 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 a new location this month, [Rico's Mexican Grill](#), (location formerly known as "Alamo Joe's") at 4747 Research Forest Dr., #475, The Woodlands, TX, 77381. Double click on the map below for directions. This change allows the entire meeting to be held at one location. More details are included in the next section.

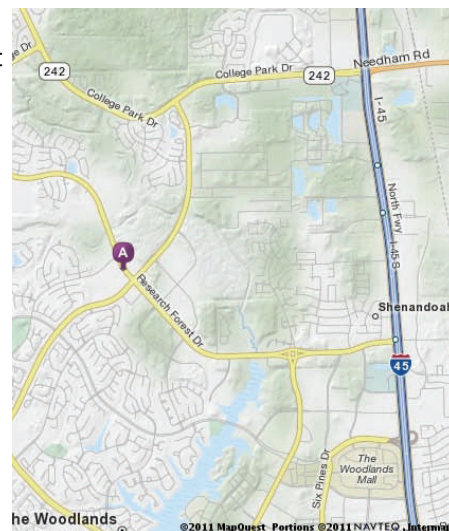
## North Houston Satellite Meeting Information—Rico's Mexican Grill

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.

This month's meeting will have a new venue, **Rico's Mexican Grill** (location previously known as "Alamo Joe's") at the corner of Gosling and Research Forest Drive in Cochran's Crossing Shopping Center. The address is 4747 Research Forest Dr., #475, The Woodlands, TX, 77381. On-line pre-registration is available but not required. Advance requests welcome for special meals (i.e., vegetarian) to [carrollcon@aol.com](mailto:carrollcon@aol.com) or [cctagoe@yahoo.com](mailto:cctagoe@yahoo.com). Guests are welcome!

Schedule:

- ◆ 6:00 PM Social hour on the outdoor patio with live music and \$2.00 drinks
- ◆ 7:00 PM Fajita dinner served in private room
- ◆ 7:45 PM Remote tie-in with STS-AIChE technical program at Brady's Landing
- ◆ \$18.00 / person







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## Meeting Sponsors - We thank you!

A mighty **thank you** to our May meeting sponsors!



Johnson Matthey  
Catalysts



## 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@aiche.org](mailto:sts-yp@aiche.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

### YP Plant Tour Highlights – ConocoPhillips Sweeny Refinery

The Young Professionals (YPs) organized a plant tour to the ConocoPhillips Sweeny Refinery on Friday, April 15. A large group of YPs, including students from University of Houston and Rice University carpooled to visit the refinery in Old Ocean, TX which is one hour drive from Houston downtown. The tour consisted of a thorough overview of the refinery's operations including its history by the Refinery's Technical Manager – Gary Willers; the YPs viewed a safety video and briefing before they toured the whole plant. Gary was impressed by the quality of questions the YPs asked during the tour. The whole tour lasted about half a day.

A special thanks to Gary Willers and Dale Embry of ConocoPhillips for helping the YPs with the plant tour. All the YPs enjoyed the tour and seemed to have gained invaluable experience from the tour. Below are a few snapshots from the tour....



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

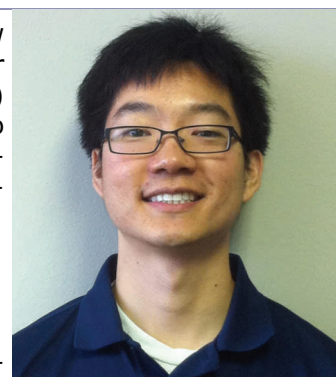


us.



## Featured YP of the Month

Ever wondered how our website is regularly updated with tons of information or how your Inbox receives our newsletter so promptly?! The person behind it is none other than our webmaster, Linton Wong. Linton is one of those Young Professionals (YPs) who is very active within STS but stays mostly behind the scenes. Linton was also responsible in creating the Facebook and LinkedIn groups for the YPs and still manages them along with other YPs with regular feeds to keep the communication flowing. So, let's learn more about this month's featured YP....



### Tell us about yourself

Does anyone else here hail from El Paso, TX? I received my B.S. in Chemical Engineering from the University of Texas at Austin in 2006. I enjoy being active with multiple activities, such as helping out with the STS-AIChE and STS-AIChE YP websites, snowboarding, playing sports/chess/guitar, and reading.

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

I enjoy the people/atmosphere as well as the diversity of work. It's a real delight to work at Chemstations. The work atmosphere/culture makes the office seem like a family that values its members and its integrity.

My current responsibilities as a technical support engineer with Chemstations include supporting customers with their CHEMCAD process simulation software; this ranges from aiding installations and licensing to helping customers choose thermodynamic models, converging complex flowsheets with multiple recycle streams and columns, etc. It is the diverseness of work that I also enjoy.

### How has STS and AIChE benefited you?

Through STS-AIChE, I've had the pleasure of meeting amazing people of various backgrounds that I would not have otherwise met. The meetings and YP happy hours have been great for networking, and the dinner meetings have broadened my view and knowledge of chemical engineering. The volunteering opportunities are also a joy.

### Any advice for the ChE students who will be graduating soon?

Get involved in your local AIChE chapter wherever you are! This will help you meet tons of people and may be especially helpful if you are looking for work. If you do not have a job lined up, then volunteer in some capacity, whether it is engineering-related or civic-related. After all, it is "better to give than to receive." Also, take the FE as soon as possible, while your coursework is still somewhat fresh in your mind.

## Future STS-AIChE Dinner Meetings

Date	Sponsor	Location	Dinner Speaker Topic	Speaker	Workshops
September 1, 2011	None	TBA	Refining & Petrochemicals	Sanjeev Kapur	Yes
October 6, 2011	None	Moody Gardens Hotel	Crystal Growth in Zero Gravity	Al Sacco	Regional Process Technology Conference (No Workshops)
November 3, 2011	Fluor	Pelazzio	Upstream Engineering	TBA	Yes

## Wanted: Assistant Webmaster

STS-AIChE is looking for a volunteer **assistant webmaster** to help our current 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](mailto:sts-webmaster@aiche.org) or [sts-position3@aiche.org](mailto:sts-position3@aiche.org)

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## Call for Volunteers

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 by 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, websites, 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](mailto:mkolodney1@comcast.net) or 713-471-8956)

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## Science Fair Winners

The 52nd Science Engineering Fair of Houston (SEFH) was held Thursday-Saturday, April 7-9, 2011, at the George R. Brown Convention Center in downtown Houston. Members of the South Texas Section of the American Institute of Chemical Engineers served as Special Awards Judges at the Science Engineering Fair of Houston to find the best projects in the fair related to Chemical Engineering. Prizes are certificates and CRC Handbooks of Chemistry and Physics. The winners are invited to the May meeting of the South Texas Section to receive their prizes. They will bring their projects with them. Also attending will be their parents and science teachers.

Special thanks goes to the following individuals who served as AIChE Science Fair Judges for 2011: David Mitchell, Paul Gallagher, Katrina Elliott, Peter Garside, Matt Kolodney, Brian Gerwig, Gary Gildert, and Ernie Althaus.

YEAR	CATEGORY	NAME	TITLE (SCHOOL)
JR	Engineering	David Floris	Ash is Not Trash (John Cooper School )
9TH	Physics and Astronomy	Kyle Sikora	Resisting Force with Magnetorheological Fluid (Academy of Science and Technology)
SR	Chemistry	Neerja Aggarwal	Carbon Nanotube Synthesis and Characterization: A Novel Approach to Maximizing Nanotube Production for Use in Solar Cells (Hightower High School)
SR	Biochemistry/Microbiology	Allen Hu	Effects of Food Additives on Lactose Hydrolysis (Clear Lake High School)

## 2011 Offshore Technology Conference (OTC)

The 2011 Offshore Technology Conference (OTC) will be held 2-5 May at Reliant Park. The following highlights are reprinted from the March edition of the Chemical Engineering Progress:

As one of the dozen major technical societies co-sponsoring the OTC, AIChE programmers are contributing a variety of technical sessions, panels, and other presentations. These include

- ♦ HSE (Health, Safety, and the Environment) - This session occurs Monday, May 2 and will cover: third-party testing of critical safety-system software; HSE cultures in joint venture companies; the application of nuclear industry safety—and performance—management concepts to offshore operations; continuous greenhouse gas emission surveillance; and more
- ♦ Global Gas Markets—The New Reality: Is it Shale *and* LNG or Shale *or* LNG? - At this panel discussion on Wednesday, May 4, industry leaders will explore the topic of shale gas and its impact on the global market and supply balance.
- ♦ Topsides Technology—This Thursday, May 5, session will focus on technology advances to improve offshore project development, fabrication, and production.

AIChE members are eligible for reduced rates on OTC registration and proceedings. Members should also visit the AIChE booth onsite. For more information on OTC 11, see [www.otcnet.org/2011](http://www.otcnet.org/2011).



## 2011 STS-AIChE Scholarship Winners

STS-AIChE awards scholarships each spring to students at the four universities in our region (Texas A&M, Prairie View A&M, University of Houston, and Rice). Currently three students are awarded scholarships from each university in the amount of \$1,000 each. Recipients of the scholarships must be active in the AIChE student chapter and/or other engineering organizations on campus and meet other academic achievement criteria.

Five scholarship winners attended the STS-AIChE dinner meeting and received their checks at the dinner (pictured below):

Abelardo Morales – University of Houston

Edmund Duban – University of Houston

Phillip Schneider – Texas A&M University

Nicholas Hoeft – Rice University

Naoki Nitta – Rice University

The following students also received scholarships but were unable to attend the meeting:

Donalvon Duhon – Prairie View A&M University

Kolade Akindejoye – Prairie View A&M University

Wasiu Abioye – Prairie View A&M University

Shashank Rai – University of Houston

Chibueze Amanchukwu – Texas A&M University

Jessica McDoneil – Texas A&M University

Jim Wang – Rice University

Congratulations to all of the awardees!



Receiving their scholarship checks from James Turner are Edmund Duban, University of Houston (above) and Phillip Schneider, Texas A&M University (right)



Naoki Nitta, Rice University, receives his scholarship check from James Turner (left). Also, in the background, from left to right, are Abelardo Morales and Edmund Duban, both from the University of Houston. Nick Hoeft, Rice University, receives his scholarship check (below)



## Thanks to our April Meeting Sponsors!



Greg Starks, of HTRI, Energy Forum exhibitor & gold meeting sponsor



Tyler Reitmeier, Energy Forum exhibitor & silver meeting sponsor



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>



## 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](mailto: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 co-operation 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](mailto:mkolodne@tceq.state.tx.us).



The advertisement features a background with a colorful, abstract design of orange, red, and purple wavy lines. In the top left corner, the HTRI logo is displayed in a blue box. Next to it is a large, stylized blue 'X' followed by the text 'changer Suite' in white. In the top right corner, a yellow starburst shape contains the text 'CAPE-OPEN Compliant!'. The main body of the ad contains a descriptive paragraph about the software suite, followed by two columns of bullet points listing various heat exchanger and heater types. Below the bullet points is a sentence about interfaces with process simulators. At the bottom left, the company name and address are listed, and at the bottom right, the email and website are provided.

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**HTRI@HTRI.net**  
**www.HTRI.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](mailto:mkolodne@tceq.state.tx.us).**

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## 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](mailto: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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## 2011 Officers and Contact Information

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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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<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:



[xpress@aiche.org](mailto:xpress@aiche.org)



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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.

### Newsletter Editors

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