



Monthly Meeting January 12, 2012

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

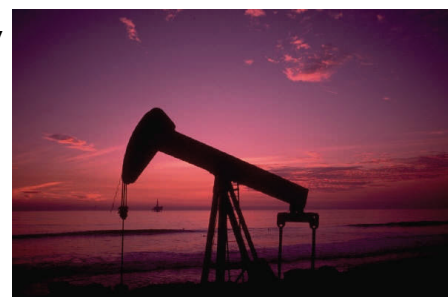
Satellite Location: Rico's Mexican Grill, (Sawdust Rd location in The Woodlands) Social Hour at 6 PM; Dinner at 7 PM, Technical program at 7:45 PM

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## Hydraulic Fracturing: History and Impact

*Dinner Speaker: Mike Watts, Halliburton*



**Abstract:** Hydraulic Fracturing has had a significant impact on gas and oil production in the U.S., but it is also controversial and opposed by some groups and individuals based on environmental concerns. For example, the EPA recently reported that chemicals from hydraulic fracturing likely caused contamination of a water aquifer in Wyoming. More detailed studies are currently underway by the EPA .

Due to the dramatic increase in hydrocarbon production from shale formations, hydraulic fracturing has drawn much attention over the past several years . These formations are often located near populated areas so the entire fracturing process has become more visible. Although it has been routinely implemented for over 60 years, fracturing is widely misunderstood leading to unwarranted suspicion and fear. This presentation by a fracturing expert will cover both the history and the techniques used to precisely monitor and control the process. It will also show how critical fracturing is to our global energy future.

**Bio:** Mike Watts is the Director of Fracture Stimulation Affairs for Halliburton Energy Services, Inc. Over his 30 year career with Halliburton he has served as Vice-President of Business Development RTA, Director of Strategic Sourcing, Country Manager for Russia, Integrated Solutions Manager for Latin America and has served in a variety of other positions including 10 years in field operations. Mike holds a Bachelor of Science in Civil Engineering, 1981, from Auburn University.

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

### Process Safety Management (PSM) Workshop

**Speaker:** Victor H. Edwards, PhD, PE

**Title:** Successful Integration of HSE in Engineering Projects

**Abstract:** Protection of health, safety, and the environment (HSE) is essential for successful engineering, procurement, and construction (EPC) projects. Utilization of HSE principles as early as possible in the engineering of an EPC project will minimize the potential cost impact of late application of such principles.

This paper will outline the implementation of HSE in Design during Front End Engineering Design (FEED) to facilitate a seamless transition into Detailed Engineering. Examples of key FEED HSE activities include development of the HSE philosophy and design basis, process hazards analysis that includes an inherently safer process approach, preliminary safety integrity level assessment, conceptual fire protection systems design, and equipment layout and facility siting.

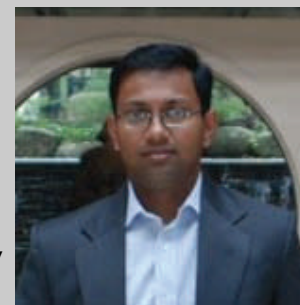
**Bio:** Vic Edwards, PhD., P.E., is Director of Process Safety for Kvaerner and is responsible for health, safety, and environment in design. He has worked for Kvaerner for 28 years, and has experience in process engineering, process safety management, and process, biochemical, environmental, and mineral processing technologies. His previous experience included assistant professor of chemical engineering at Cornell Univ., program manager at the National Science Foundation, research fellow at Merck, alternate energy researcher at United Energy Resources, visiting professor of environmental engineering at Rice Univ., and process engineer at Fluor. As an alliance engineering contractor, he received various DuPont awards for engineering excellence in the area of EHS. In 1998, Kvaerner Engineers and Constructors named him employee of the year. He has more than 60 publications and has chaired numerous conferences and technical sessions. Edwards earned his BA from Rice Univ. and his PhD from the Univ. of California at Berkeley, both in chemical engineering. A registered professional engineer in Texas, he is an AIChE Fellow, and a member of ACS, AAAS, NFPA, NSPE, and the New York Academy of Sciences.

### Professional Development (PD) Workshop

**Speaker:** Diptabhas Sarkar, PhD, MBA

**Title:** Career Opportunities for People from Chemistry and Chemical Engineering Backgrounds in the Upstream Energy Sector

**Bio:** Diptabhas Sarkar is an expert in the upstream oil and gas sector, focusing primarily on business and operational improvement issues. He is currently a manager at Halliburton Consulting - engaged in serving senior asset managers in leading oil and gas organizations across the globe on pressing strategic issues. He has spent the early part of his career in technology development and commercialization. He has over twenty patents and publications in chemical technologies to his credit. Dr. Sarkar holds a PhD in Colloid Chemistry from Columbia University and an MBA from University of Texas at Austin. He is an elected member of the Royal Society of Chemistry and Sigma Xi and has served on the board of SEARCH - a non profit organization that serves the homeless population in Houston.



## 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.

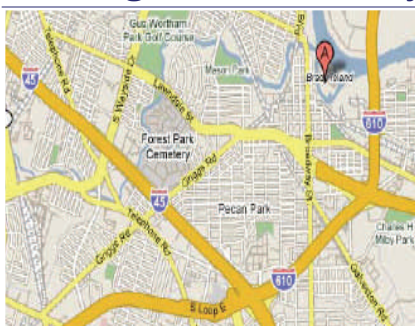
	Pre-Registration Members	Pre-Registration Non-Members	At the door Members	At the door Non-Members
Regular/Retired	\$25	\$30	\$35	\$40
Student/Unemployed	\$15	\$20	\$25	\$30
North Houston satellite meeting location	\$18	\$18	\$20	\$20

NOTE: You have until 4 PM CST on January 11 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 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 [Rico's Mexican Grill](#), (Sawdust location) at 314 Sawdust Rd, The Woodlands, TX, 77380. Double click on the map below for directions. More details are included in the next section.

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

Join us without driving too far for some local networking at The Woodlands/North Houston satellite meeting! We have our own social/networking program.

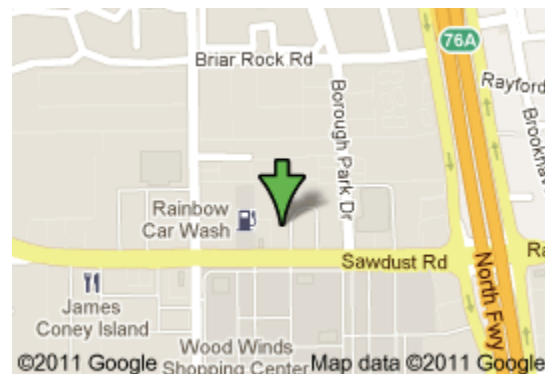
Due to the wonders of modern technology we have access to the great speakers provided by STS. There will be an upgraded audio system for the webcast of the main meeting. We verified at the November meeting that the sound problems have been corrected.

This month's meeting will once again be at Rico's Mexican Grill at 314 Sawdust Rd, The Woodlands, TX, 77380 (<http://ricosgrill.com/locations.php>). On-line pre-registration is available but not required. Advance requests welcome for special meals (i.e., vegetarian) to [kk.walter@comcast.net](mailto:kk.walter@comcast.net) or [cctagoe@yahoo.com](mailto:cctagoe@yahoo.com). Guests are welcome!

Schedule:

- ◆ 6:00 PM Social hour with live music downstairs and \$2.00 margaritas
- ◆ 7:00 PM Fajita dinner served in private room upstairs
- ◆ 7:45 PM Remote tie-in with STS-AIChE technical program at Brady's
- ◆ \$18.00 in advance/ \$20.00 at the door

All guests are welcome!







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## December Social Meeting Highlights

The Young Professionals (YPs) kept the tradition alive and organized yet another spectacular December Social Meeting for the STS-AIChE section. STS members along with their guests boarded the 3-hour Star Gazer cruise from Kemah which went over Clear Lake and Galveston Bay. The cruise added to the holiday theme with plenty of lighting and Christmas decorations.

The YPs kicked off the meeting with some exciting icebreakers which captivated the guests. There was plenty of food, desserts, cash bar and music; some guests even took on the dance floor. The meeting was a great way to kick off the festive season and everyone seemed to have enjoyed the meeting. The event proved to be very popular and drew a huge crowd. Below are few snapshots from the meeting:



## YP Winter Planning Meeting on January 26

The STS-AIChE Young Professionals will have a winter planning meeting on January 26, 2012. The meeting will be held at Little Napoli (6445 Westheimer Rd, Houston, TX 77057) from 6:00 pm to 8:00 pm. For more details, please contact the new YP Chair, Lisa Swanson, at

[lisaswanson@providenceeng.com](mailto:lisaswanson@providenceeng.com)

## Join the Upstream Engineering and Flow Assurance (UEFA) Forum

Perhaps some STS members have not heard about the newest entity that AIChE has chartered. Increasing interest in the upstream sector of chemical engineering applications and practice led to the UEFA Forum being established this year (2011).

The Upstream Engineering and Flow Assurance Forum has its main focus on the promotion of educational opportunities and events that will promote the use of chemical engineering principles and practices in the upstream realm and in the special area of flow assurance engineering. As chemical engineers, we know that thermodynamics, phase behavior, solution theory, fluid dynamics, and interfacial tension applications are not limited to downstream projects.

Indeed, many STS members work for companies that have interests in energy resource development, ranging from advanced petroleum reservoir technology to design of the most difficult and technologically challenging production systems, to be installed in the Jules Verne realm, in ultra deepwater, and also in extreme environments, such as Arctic regions. The work is challenging and chemical engineering problems abound in all aspects of upstream engineering.

During 2011, the UEFA Forum members were the major driving force in developing the very successful 6th AIChE/SPE Joint Workshop on "Challenges in Flow Assurance". Many of your colleagues may have participated in that event.

At present, we have developed the technical sessions for The 1st International Conference on Upstream Engineering and Flow Assurance, which is a feature part of the 2012 AIChE Spring Meeting, to be held in Houston, at the George R. Brown Convention Center, April 1-4, 2012. For this "upstream" conference, we have 16 sessions, including five sessions on flow assurance topics, hydrates, multiphase flow, waxes, asphaltenes, scale, corrosion, emulsions, and equation of state applications, etc. For the "upstream" reservoir and petroleum production themes, we have sessions dealing with advances in drilling fluids, completion fluids, and remediation fluids, enhanced oil recovery, shale gas technology, unconventional energy resources, nanotechnology in upstream applications, Risk in FEED design for Flow Assurance projects, subsea separation and processing, etc. These sessions include nearly 100 presentations from well-known subject matter experts in the fields of flow assurance and upstream engineering.

If you share our interest in this topic area, please consider this your special invitation to join the Upstream Engineering and Flow Assurance Forum. We solicit your membership and help in getting this new entity going. Frankly, we need you.

To join us, simply call 1-800-242-4363 and tell the AIChE Customer Service representative to enroll you as a member of the UEFA Forum for 2012. Do it today!

Best Regards and Welcome!

Norman F. Carnahan

Chair, UEFA Forum

[carnahan@ccteq.com](mailto:carnahan@ccteq.com)

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## Letter From the Chair

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As a final act as Chair, it is my pleasure to usher in the new year for the South Texas Section. It has been an honor to serve as your Chair, and I look forward to stepping into my new role as Past-Chair. This past year has been an exciting one for the section, and I fully anticipate the next year will be even greater.

I would like to take this opportunity to welcome our elected leadership for 2012. Our new Chair is James Turner. Gary Gildert takes over as the new Chair-Elect. Gary is a member of the team you see every meeting making our webcasts possible. He has been very active in our workshops and has also served as dinner speaker. Kelly Richardson is our new Secretary. Many of you know Kelly as a former Chair of the STS-AICHe YP group. The final newly elected member of the STS Executive Committee is Teresa Jurgens-Kowal (Human Resources Position 4) who has been especially active in leading STS workshops for career development. In addition to James, the other continuing members of the STS Executive Committee are Katherine Leskin (Treasurer), Heather Gilligan (Education), Ramanan Krishnamoorti (Outreach), Jay Chandrasekaran (Communications), and me. Ramanan was just re-elected to his second two-year term.

Regrettably, as we greet our new leadership, it is also time to bid farewell to the departing members of the STS Executive Committee. In particular, we thank Alan Rossiter who is stepping down as Past Chair, completing his three-year rotation through our chair positions. Carol Schmidt is completing her two-year term as our Secretary. We also thank John Super who is completing his term in Position 4 (Human Resources). They have all made a big difference for STS-AICHe for which we are all so very grateful.

Entering my seventh consecutive year as a member of the Executive Committee, I never cease to be amazed at the dynamic spirit of growth in STS-AICHe. We are trendsetters for the national organization, with many of our members engaged in all dimensions of AICHe. I hope to continue to see all of you at the monthly dinners and encourage you to find that special volunteer niche that is ideally suited to you.

I would like to thank everyone for your support during my year as Chair and look forward to continuing to serve as Past Chair. I would like encourage all of you to support our incoming Chair, James Turner, and to help him lead us towards an even better tomorrow.

With warm regards,

Ken Cox

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## Volunteers Needed—2012 OTC

The 2012 Offshore Technology Conference will be held April 30 - May 3 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 of the volunteer's time to either the Arrangements, Registration, or Student Tours Conduct Committees during the OTC.

For more information contact: Thomas E. Menn, P.O. Box 458, Pearland, Texas 77588-0458. Tom's phone number is 281-485-3719 and his e-mail address is [thomasmenn@SBCglobal.net](mailto:thomasmenn@SBCglobal.net).

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## South Texas Section – AIChE - 2011 Annual Awards Nomination Form (Page 1 of 2)

THIS NOMINATION FORM MUST BE RECEIVED BY MAY 1, 2012 TO BE ACCEPTED! E-mail the completed form to:

Thomas E. Menn	or	Anand Nilekar, PhD	or	Saurabh S. Chaugule, 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: 281-544-6298		Tel: 281-544-6644
		Anand.Nilekar@Shell.com		Saurabh.Chaugule@Shell.com

Following receipt of the nomination that you submit, you will receive an email from the STS Awards Committee confirming receipt of your 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.)

\_\_\_\_\_ 2011 STS Outstanding Young Professional Award (Under age 35)\*

\_\_\_\_\_ 2011 STS Distinguished Service Award (Over age 35)\*

\_\_\_\_\_ 2011 STS Best Fundamental Paper Award (Please complete page 2)

\_\_\_\_\_ 2011 STS Best Applied Paper Award (Please complete Page 2)

\*For STS Outstanding Young Member or Distinguished Service Awards, please state the reason you feel that this person is deserving of this award and attach it to the back of this form along with any supporting documentation, if available. (You can ignore the rest of the form.)

***For 2011 Best Paper Nominations, continue and complete page 2 of this form.***



## South Texas Section – AIChE - 2011 Annual Awards Nomination Form (Page 2 of 2)

Please enter the name of the 2011 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: \_\_\_\_\_

\_\_\_\_\_

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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 A COPY OF THE ARTICLE FROM THE PUBLICATION TO THIS FORM OR IF THIS IS NOMINATION IS TENDERED BY E-MAIL, PLEASE ATTACH AN ELECTRONIC VERSION OF THE PUBLISHED ARTICLE.**

*Following receipt of the nomination that you submit, you will receive an email from the STS Awards Committee confirming receipt of the nomination.*



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- Prepare and present technical presentations

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- Three years of experience in developing engineering applications using
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  - C, C++, and/or FORTRAN
- Proven ability to develop/deliver formal presentations/reports

*Individual must possess authorization to work in the United States without visa sponsorship.*

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EOE/m/f/h/v

Ms. S. Breaux Daniel, Vice President, Human Resources

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## Volunteers Needed for the 2012 Spring National Meeting

The AIChE 2012 Spring National Meeting will be held in Houston on April 2nd – 5th (Monday – Thursday) at the Hilton Americas and George R. Brown Convention Center. Volunteers are needed to track session attendance and for general help during the day. A parking pass and admission for the day worked will be provided. An organizational meeting will be held the weekend before the meeting.

Volunteers are needed for the following times:

Monday, April 2                      7:30 am – 4 pm

Tuesday, April 3                      7:30 am – 4 pm

Wednesday, April 4                      7:30 am – 4 pm

Thursday, April 5                      7:30 am – noon

For more information and to volunteer contact John Middleton via email [Mr45John@Yahoo.com](mailto:Mr45John@Yahoo.com), or call him at 713-861-6418 (evenings) or 713-350-1143 (work).

## Death Notice for Connie E. Carroll

We regret to announce that Connie E. Carroll passed away November 14th at a hospice facility in Morgantown, West Virginia, after a brief illness. She was surrounded by her long-term friends and colleagues.

Connie was born in Charleston, W. Va., attended local schools in W. Va., and received a Bachelor of Science degree in Chemistry from West Virginia University in 1980. She then joined Union Carbide Corporation (UCC) at the Seadrift facility in Texas and progressed from laboratory chemist to senior production engineer to department head, with experience in data management, quality management, production management and customer relationships. She was transferred to UCC Headquarters in Danbury, CT where she was a World Wide Issues Manager for UCC's surfactant business and then Marketing Manager for UCON Fluids and Lubricants. When Dow Chemical Co. acquired Union Carbide Corporation, Connie joined Chevron Phillips Chemical Company in The Woodlands, TX where she was a Global Product Manager and a Global Marketing Manager for Specialty Chemicals. She left Chevron Phillips Chemical Company in 2009 and was an independent consultant focusing on business development and marketing in sustainable and green chemistry.



Connie was a Fellow of the American Institute of Chemical Engineers (AIChE), active at both the local section and national level. At the national level, she was Chair of the Public Relations Committee, served on the Board of Directors, and was a Trustee of the AIChE Foundation. She also served as a Director and Secretary from 1992-97. During 1995-96, Connie led the Planning Process Team that developed a new strategic plan for AIChE.

At the local level, Connie was a STS member living in The Woodlands, and helped start the North Houston/Woodlands satellite meeting last year. She also served as a mentor for the Fellows/Young Professionals Pilot Mentoring Program. Connie had a deep interest in music, photography and cooking and in helping young professionals in their careers. She was an accomplished scuba diver and often spent her vacations on diving trips to the Caribbean, Central America, and the South Pacific.

Connie will be deeply missed by the STS-AIChE family and remembered for her excellent professional work, her outstanding service to society, her long-term dedication to the Institute, and her kind personality.

## AIChE South Texas Section 2012 Meetings & Speakers

Meeting Date	Location	Speaker	Topic	Sponsor/Comment
1/12/2012	Brady's Landing	Mike Watts, Halliburton	Hydraulic Fracturing: History and Impact	N/A
2/2/2012	Pelazzio Banquets	Purvin & Gertz	Shale Gas Production Impact on Petrochemical Industry	N/A
3/2/2012	Brady's Landing	Charlie Miller	Energy Optimization Studies	Sponsored by Epcon International in conjunction with Energy Forum
4/5/2012	TBD	TBD	TBD	N/A
5/3/2012	TBD	TBD	TBD	N/A



## 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 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%20IEEE%20Houston%207%20Oct%202007.pdf)

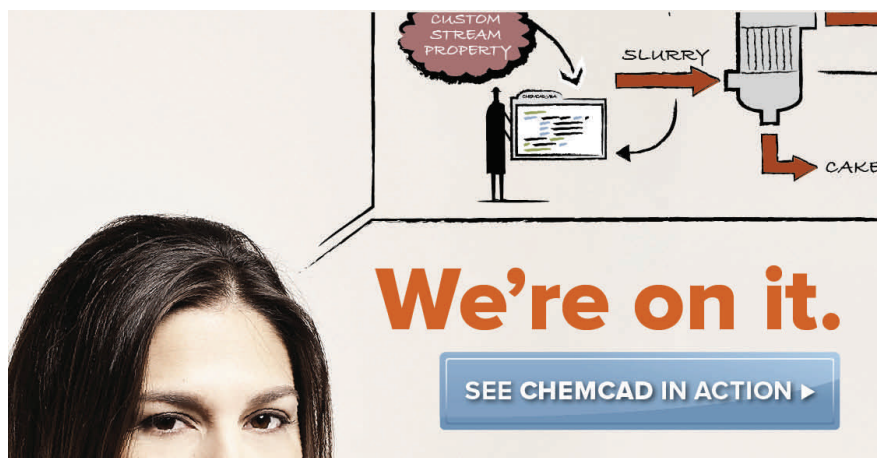
This ongoing Houston Area program assists local schools with teacher training demonstrations.

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).




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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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# South Texas Section AICHE

STS AICHE  
P. O. Box 2160  
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## 2012 Officers and Contact Information

### Officers

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**Chair Elect** Gary Gildert  
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**Past Chair** Ken Cox  
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**Secretary** Kelly Richardson  
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**Treasurer** Katherine Leskin  
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### Executive Committee

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**Position 2: Outreach**  
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**Position 4: Human Resources**  
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### Volunteers

**Arrangements:** Richard Newman,  
David Silarski

**Membership:** David Silarski

**Young Professionals:** Lisa Swanson  
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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>>



## SUBSCRIBE/UNSUBSCRIBE INFORMATION

Our newsletter subscription list is by invitation only.

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## MAINTAIN YOUR CONTACT INFORMATION WITH STS

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:



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



1-800-AICHE (1-800-242-4363)



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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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