



Meeting At-A-Glance

- Location: Brady's Landing Restaurant
- No Workshops in April—Energy Forum at 4 PM
- Networking 6-7 PM
- Dinner at 7 PM
- Speaker at 8 PM

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Monthly Meeting April 3, 2008

Location: Brady's Landing Restaurant

Energy Projections, Reduction Strategies and Carbon Emission Reduction Costs

Speaker: Pedro Haas, Senior Practice Consultant, McKinsey & Company

Abstract: Mr. Haas has expertise in trading and risk management in the petroleum industry, as well as mergers and acquisitions, exploration and production, refining, and gas. He is an annual lecturer at the Oxford Energy Seminar and is a member of the Oxford Energy policy Club. **Mr. Haas will be presenting results from a recent study by McKinsey & Company on energy projections and the costs of carbon reduction from a variety of strategies.**

Bio: Pedro Haas is a Senior Practice Consultant with McKinsey & Company, with expertise in trading and risk management in the petroleum industry, as well as mergers and acquisitions, exploration and production, refining, and gas. Working with McKinsey, he has helped a large integrated oil company understand opportunities in third-party petroleum trading, has collaborated in various studies involving trading and risk management issues for the Firm, has supported E&P opportunity valuation for both crude oil and gas, and has worked on E&P strategy issues with independent and major companies.

Mr. Haas has held positions such as:

- CEO of KoSa (a joint venture between Koch Industries and Isaac Saba, a Mexican investor, which included most of the polyester assets of Hoechst AG).
- Managing Director for Latin America for Koch Industries, Inc., responsible for developing new business for Koch throughout the region, including upstream, refining, and chemical projects.
- Various positions with Pemex: CEO of Pemex Gas (Mexico City), the unit responsible for natural gas and LPG fractionation, transportation, and marketing; CEO of PMI, the international trading subsidiary; Managing Director for Pemex in Europe (London and Paris), responsible for crude oil sales in Europe, oil market intelligence, and attendance to OPEC meetings; and Deputy General Manager (Mexico City), Crude Oil Exports, International Trade Department.
- Economic Counselor to the Mexican Embassy in Japan (Tokyo).

In addition to his years in the industry's corporate sector, Mr. Haas was on the board of the Institute of the Americas, and has served on the boards of Profalca, SA (Caracas); Repsol, SA (Madrid); and Petronor, SA (Madrid/Bilbao). He is an annual lecturer at the Oxford Energy Seminar and is a member of the Oxford Energy policy Club.

Mr. Haas studied Economics at the Universidad Nacional Autonoma de Mexico, and obtained a BA in Economics (cum laude) from Vanderbilt University. He did graduate work in economics at Cambridge University.

Prior to the meeting, join us for the *free* Texas Industrial Energy Management Forum from 4-6 PM!
See Page 2 for details!

Texas Industrial Energy Forum Forum: 4-6 PM

Join us for the Texas Industrial Energy Management Forum prior to the STS April dinner meeting.

Texas Industries of the Future and the South Texas Section of AIChE will be hosting the Energy Management Forum prior to the STS dinner meeting on Thursday, April 3 from 4 to 6 pm at Brady's Landing in Houston.

The Forum Moderator is Sean Diamond, Texas Petrochemicals LP, Chair, Chemical and Refining Advisory Committee, Texas IOF.

The following presentations will be given:

- *Boiler Case Study: Minimizing NOx without Sacrificing Efficiency*, by Tim Morrison, Pavillion Technology on behalf of Sterling Chemicals
- *Olefins Cold Ends DMCplus™ Application*, by Dave Hokanson, Process Control Specialist, ExxonMobil Corporation
- *Process and Energy Optimization at Eastman Texas Operations*, by Carroll Greenwaldt, Superintendent, Utilities and Cogen Operations, Eastman Chemical Company

To review more details of the presentations and the forum, the program can be found at:

<http://texasiof.ces.utexas.edu/PDF/Meetings/Forum%20Program%20R1%20April%203%202008.pdf>

Although there is no charge for the program, we request that you register in advance so we can provide adequate facilities. Register today at the following site:

<http://clearinghouse.ces.utexas.edu/tiof/TIEMForum.asp>

Registration for the Energy Forum is separate from the STS dinner meeting registration. If you are attending both events, please register for each event individually.



Texas Industries of the Future

It's Awards Time!

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

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

For requirements of each award, visit the web page: http://www.sts-aiiche.org/list_of_awards.htm. 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://www.sts-aiiche.org/nominate_awards.htm.

If you do not have web access or prefer the printed form, request the form in an email to newsletter@sts-aiiche.org.

Nominations must be received by **April 18, 2008** to be considered. Thank you!

Did you know.... More STS Awards

The STS has many other awards, also! There are 8 awards that may be presented at any time. We have an Academic Achievement Award, Chemical Engineering Practice Award, Leadership Award, and Friend of STS Award to name a few. Nominations may be accepted at any time for any of these awards. The Executive Committee votes on recipients, and they are presented at the following dinner meeting. Check them out at http://www.sts-aiiche.org/list_of_awards.htm !

Meeting Registration Information

Pre-register for the monthly meeting at:

<http://www.sts-aiiche.org/register.php>.

Reservations are accepted until 4 pm the Tuesday of meeting week.

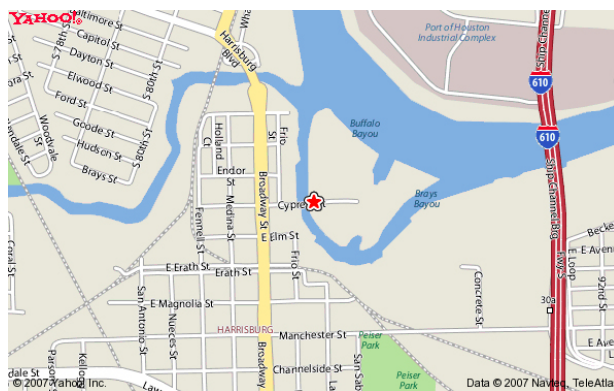
You may also **cancel a reservation** using this link. Please cancel your reservation if you have made one and find that you are unable to attend.

The cost for this meeting, per person, is:

	<u>Pre-registered</u>	<u>At the door</u>
Regular/Retired	\$25	\$35
Student/Unemployed	\$15	\$25

Meeting Location - Brady's Landing Restaurant

The April meeting will be held at Brady's Landing Restaurant. To use your own mapping program for directions, the address is 8505 Cypress Street, Houston, TX 77012. Click on the map to the right to open the map site.



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

Pre-Registration Procedure

The web address for meeting preregistration is <http://www.sts-aiiche.org/register.php>. This will confirm that registration is still open, and direct you to the proper page. Preregistrations will be accepted until **4 pm** on the Tuesday of meeting week.

Our shopping cart is now secure! (NOTE: At issue time, our SSL certificate was still being processed. It should be complete by 3/28.) When you go to the shopping cart site after verifying you accept the policy (<https://www.sts-aiiche.org/zen-cart/>) you will now see the lock at the bottom of your screen. You also know it is secure by the "https" at the beginning of the web site. There are many concerns about using credit cards on the internet these days. To ensure our members are provided with the security that is expected, our shopping cart is now secure. As a reminder, though, the STS does not store any credit card information. Our secure credit card handler, SecurePay.com, conducts the transactions with the credit card companies.

Our shopping cart requires the use of COOKIES. If you have cookies turned off, you may get a "session timed out" error. Please refer to the FAQ page in the shopping cart for details on how to turn cookies on.

Mark Your Calendars!

Important upcoming dates for the STS are:

April 6-10—Spring National Meeting in New Orleans
 April 18—Awards Deadline
 May 1—Monthly meeting
 May 5-8—OTC at Reliant Center
 May 31—Annual Ship Channel Cruise (watch for details to come!)

September 4—Monthly meeting
 October 2—Monthly meeting
 November 6—Monthly meeting
 November 16-21—Annual Meeting in Philadelphia
 November—Elections!
 December 4—Monthly meeting

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Call for Volunteers—2008 OTC Registration Conduct Committee

The Offshore Technology Conference is coming to Houston, **May 5-8, 2008**. It will be held at Reliant Center adjacent to Reliant Stadium at Loop 610 between Fannin Street and Kirby Drive.

As the American Institute of Chemical Engineers is one of the sponsoring societies for the OTC, the AIChE South Texas Section has been selected to staff the 2008 OTC Registration Conduct Committee. For agreeing to serve as a member of the 2008 OTC Registration "Conduct" Committee for one-half (1/2) day, each volunteer will receive:

1. **One complimentary OTC Registration which is valid for the entire OTC**
2. **Complimentary Parking Pass for the OTC with In/Out Privileges (valid for the entire OTC)**

The Registration Committee has the following duties:

1. Attend a committee meeting **on Monday April 28** from 11:00 AM to 12:00 in Reliant Center (*room to be assigned later*) before the opening of the Conference to review responsibilities, and become familiar with the registration procedures as well as the convention center layout. The complimentary parking passes will also be given out at this meeting.
2. Instruct registrants to complete form and proceed to registration counters. If registered in advance, instruct registrants proceed to Badge-N-Go kiosks.
3. Provide assistance to OTC attendees such as directing those with complimentary Guest Cards to use the Guest Card kiosks and informing the registrants that a separate card for each day registering must be presented as well as directing exhibitors to Exhibitor Registration (Lobby D).
4. Be prepared to give directions and answer general questions.

For more information, please contact:

Tom Menn
P. O. Box 458
Pearland, Texas

phone: 281-485-3719
email: thomasmenn@SBCGlobal.net

77588-0458

To Volunteer, complete the form **on the following page** and submit as indicated on the form.



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 graphic contains the text 'CAPE-OPEN Compliant!'. The main body of the ad contains a description of the software and a list of its capabilities.

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2008 OTC Registration Conduct Committee Volunteer Registration Form

2008 Offshore Technology Conference
Registration Conduct Committee
Reliant Center -- Houston, Texas
May 5, 6, 7, & 8, 2008

Volunteer Registration Form (Registration Committee Use Only) – *Please Print:*

Registrant's Last Name (Family Name)

First Name (Forename)

Company

Title or Position

Email Address (a@b.com)

Company P.O. Box or Mailing Address

City

State/Province

Zip/Postal Code

Country

Telephone Number (include area code and/or country and city code)

Facsimile (include area code and/or country and city code)

Cellphone or Pager Number

< Optional & for Committee Use Only!

Preferred Day For Volunteering

(please indicate choices such as 1, 2, 3, ... with "1" being your first choice):

No Preferred Day or Time: _____

Any Day but Only In: _____

Only _____ AM or _____ PM

Monday, May 5th: _____ Either Am or PM

Only _____ AM or _____ PM

Tuesday, May 6th: _____ Either Am or PM

Only _____ AM or _____ PM

Wednesday, May 7th: _____ Either Am or PM

Only _____ AM or _____ PM

Thursday, May 8th: _____ AM

Sponsoring Societies (Check all those that you are a member of):

____ American Association of Petroleum Geologists

____ American Institute of Chemical Engineers

____ American Society of Civil Engineers

____ ASME International Petroleum Institute

____ Institute of Electrical and Electronics Engineers – Oceanic Engineering Society

____ Marine Technology Society

____ Society of Exploration Geophysicists

____ Society for Mining, Metallurgy, and Exploration, Inc.

____ Society of Naval Architects and Marine Engineers

____ Society of Petroleum Engineers

____ The Minerals, Metals, and Materials Society

This form is intended to provide enough information for the Arrangements Chairman to fill out an OTC Conduct Committee Registration Form for you. If you wish to purchase tickets to certain events or proceedings, please use another form.

Copy, Complete, and E-Mail this completed form to thomasmenn@SBCGlobal.net

(Please note that this form is **not an official OTC registration form** and provides information useful to the Registration Committee. Your official OTC form will be completed and submitted by an OTC Registration Committee member using the information on this form.)

ASME Plant Engineering, Inspection and Maintenance Trade Show

The STS will host a booth at the **ASME Plant Engineering, Inspection and Maintenance Trade Show, to be held at the** Pasadena Convention Center (Pasadena, Texas) on April 10, 2008. **Volunteers are needed to man the STS booth.** The Trade Show is held from 10 am to 6 pm. The Trade show is free, and the ASME promises a free lunch and beverages. Registration will take place on-site the day of the event.

Please contact our Chair, Dave Silarski, at Chair@sts-aiiche.org if you are able to man the booth for all or part of the day.

An Engineering Ethics Presentation will be given at 11 am, if you are in need of that elusive Ethics hour for your PE renewal!

ASME PEM TRADESHOW APRIL 10, 2008 TECHNICAL PRESENTATIONS			
Hours	Room A	Room B	Room C
11:00 AM - 12:15 PM	P. E. Ethics Presentation - Texas Board of Professional Engineers - (C. W. Clarke)	P. E. Ethics Presentation - Texas Board of Professional Engineers - (C. W. Clarke)	Ultra-High Pressure Water Jet Cutting - Safe Cut - (Larry Speaks)
12:15 PM - 1:30 PM	Practical Gasket and Bolting Application for Leak Free Operation - Leader Global Technologies (Rodney Roth) / Lyondell Basell (Eric Ellis)	A Traveling Solution to Cooling Tower Debris - Industrial Cooling Towers - (Michael Moreaux)	Composite Systems Used to Repair Pipelines and Piping Systems - Stress Engineering Services - (Chris Alexander)
1:30 PM - 2:45 PM	Utilizing Load Indicating Fasteners for Industrial Bolted Flange Applications - Lamons (Kris Kolb) / Dow Chemical (Mike Tavery)	Foundation Repair and Grouting of Rotating Equipment - Structural Preservation Systems - (Paul Raiford / Kraig Tarou)	Integrity Assessment of Fire-Damaged Vessels - Stress Engineering Services - (Mac Samman)
2:45 PM - 4:00 PM	Quantifying Strength of Composite Repairs to Piping via the New ASME PCC-2 Code - Neptune Research Inc - (Bart Davis)	Oil-Injected Screw Compressor for Hydrogen Service - KOBELCO EDTI Compressors, Inc - (Takao Koga)	Analysis of Contact Stresses on 3-Bolt Connection Sealing Surfaces Using Self-Energized Tapered Seal - TaperLok - (Rajeev Madazhy)
4:00 PM - 5:15 PM	Experiences on the Repair of Pressure Vessels in the Oil & Gas Industry Using Alternative Welding Methods - Welding Services, Inc - (Luis Yopez)	Establishing Methods for Controlling and Managing Tools, Equipment, and Supplies Daily During Turnarounds - Win Ware, Inc - (Gregg Sprinkel)	Case Study – Flanged Assembly Improvements in Acidic Applications - National Hose / Thermoseal Inc - (Steve Stratton)

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New website features!

There are 2 new features available on the STS website.

The first is a new, colorful [calendar](#). Select Calendar from the left side menu, and you will be taken to our new Calendar page.

<-- February	March 2008						April -->
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
February S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	To add an event, contact webmaster@sts-aiche.org						1
2 Texas Independence Day	3	4	5	6 Monthly Dinner Meeting	7	8	
9 Daylight Saving Time begins	10	11	12 Executive Committee Meeting	13 2008 Science/Eng. Fair	14 Pi Day! 2008 Science/Eng. Fair	15 2008 Science/Eng. Fair	

We will show STS-sponsored events and major holidays. Events added to the calendar fall in a similar category as events for the newsletter—if it is in our newsletter or on the website, it may be in the calendar. To submit an event, email webmaster@sts-aiche.org for approval. You may **export events** (but not holidays) to your Outlook calendar, or prepare a **Printer Friendly** version of the calendar page. See links at the bottom of the calendar.

Export Events Displayed | Jump to month: **March 2008** | [Print-friendly](#)

The second website development now available is the [Old Meeting/Workshop Database](#). The list goes back to January 2005 but we may add more dates if the membership requires, and if the information is available. Prior to electronic storage, the meeting/workshop information was retained only if someone kept a copy of the newsletter. This database should make finding data on old meetings and workshops much easier. You can search for a particular date, location, or person by entering your request in the box at the top and pressing Search.

A search example and results:

Current view: All entries Hilton

1 to 5 from 5 Current view: Filtered by »Hilton«

#	Year	Month	Date	Location	
1	2006	May	4	Hilton Hobby Airport	Details
2	2006	October	5	Hilton Westchase	Details
3	2007	February	1	Clear Lake Hilton	Details
4	2007	October	4	Hilton Houston Ho...	Details
5	2008	February	7	Hilton Houston Ho...	Details

1

Main view when you open the web page: STS-AICHE Meetings

1 to 20 from 41 Current view: All entries

#	Year	Month	Date	Location	
1	2005	January	13	Park Plaza Relian...	Details
2	2005	February	3	Park Plaza Relian...	Details
3	2005	March	3	Brady's Landing	Details
4	2005	April	14	Brady's Landing	Details
5	2005	May	5	Park Plaza Relian...	Details
6	2005	September	1	Park Plaza Relian...	Details
7	2005	October	6	Park Plaza Relian...	Details
8	2005	November	10	Rice University	Details
9	2005	December	1	Park Plaza Relian...	Details
10	2006	January	12	Sheraton Brookhollow	Details
11	2006	February	2	Sheraton Brookhollow	Details
12	2006	March	2	Brady's Landing	Details
13	2006	April	6	Brady's Landing	Details
14	2006	May	4	Hilton Hobby Airport	Details
15	2006	September	7	ARAMCO Services	Details
16	2006	October	5	Hilton Westchase	Details
17	2006	November	7	ARAMCO Services	Details
18	2006	December	8	Renaissance Green...	Details
19	2007	January	11	ARAMCO Services	Details
20	2007	February	1	Clear Lake Hilton	Details

1 2 3 Next

Detail view:

Index	14
Year	2006
MeetingMo	5
Month	May
Date	4
Location	Hilton Hobby Airport
Topic	Hurricane Rita: An Unwelcome Visitor to PPG Industries in Lake Charles, LA
Speaker	Roy E. Sanders, PPG Industries
Special Occasion	Awards Night
CAST Topic	Facts about Copper Acetylides, and Safety with Copper Catalysts
CAST Speaker	David J. Artrip, BASF Corporation
PSM Topic	Facility Siting: A Review of Presentations at the Second Global Process Safety Congress
PSM Speaker	Jack Chosnek, KnowledgeOne
PEPO Topic	N/A
PEPO Speaker	N/A
ENV Topic	N/A
ENV Speaker	N/A

[Back](#)

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Petticoats and Slide Rule Exhibit, sponsored by SWE

The Society of Women Engineers – Houston Area is proud to host the special historical exhibit “Petticoats and Slide Rules: SWE, A History of Women Engineers” during the first five months of 2008.

The exhibit pays tribute to trailblazers and pioneers, from before the “blue jeans” era to the present. The exhibit is an “interactive” history featuring materials from the SWE historical collection at the Reuther Library located at Wayne State University. Photos, videos, interviews and artifacts highlight over five decades of promoting equal opportunity for women in engineering, as well as inspirational stories of women who “paved the way” for future generations.

While the Petticoats and Slide Rules Exhibit is in Houston, a display which includes pictures and stories of local engineers will be included to highlight the reality and impact anyone and everyone can make.

When and Where

The exhibit will be in the Houston area and shared with the community from late January to mid May. Since the final locations and details are still being coordinated, the tentative schedule is as follows.

April 2008 – Rice University

May 2008 – Various Exhibit Sponsors

Why

The Petticoats and Slide Rules exhibit is meant to inspire and educate future generations about the changing roles of women in the engineering profession. From Emily Roebling’s work on the construction of the Brooklyn Bridge in the 1880s, to former U.S. astronaut Dr. Sally K. Ride’s pioneering 1983 flight into space, women have participated in American science, technology and industry for over one hundred years. Yet, historically, the number of women in the engineering profession has been significantly low. Since its founding in 1950, the Society of Women Engineers (SWE) has grown in size and stature, challenged stereotypes, and contributed to the engineering profession in many ways. The intent of this exhibit can be summarized as follows.

To encourage young women to consider pursuing careers in engineering

To provide community outreach

To celebrate previous accomplishments

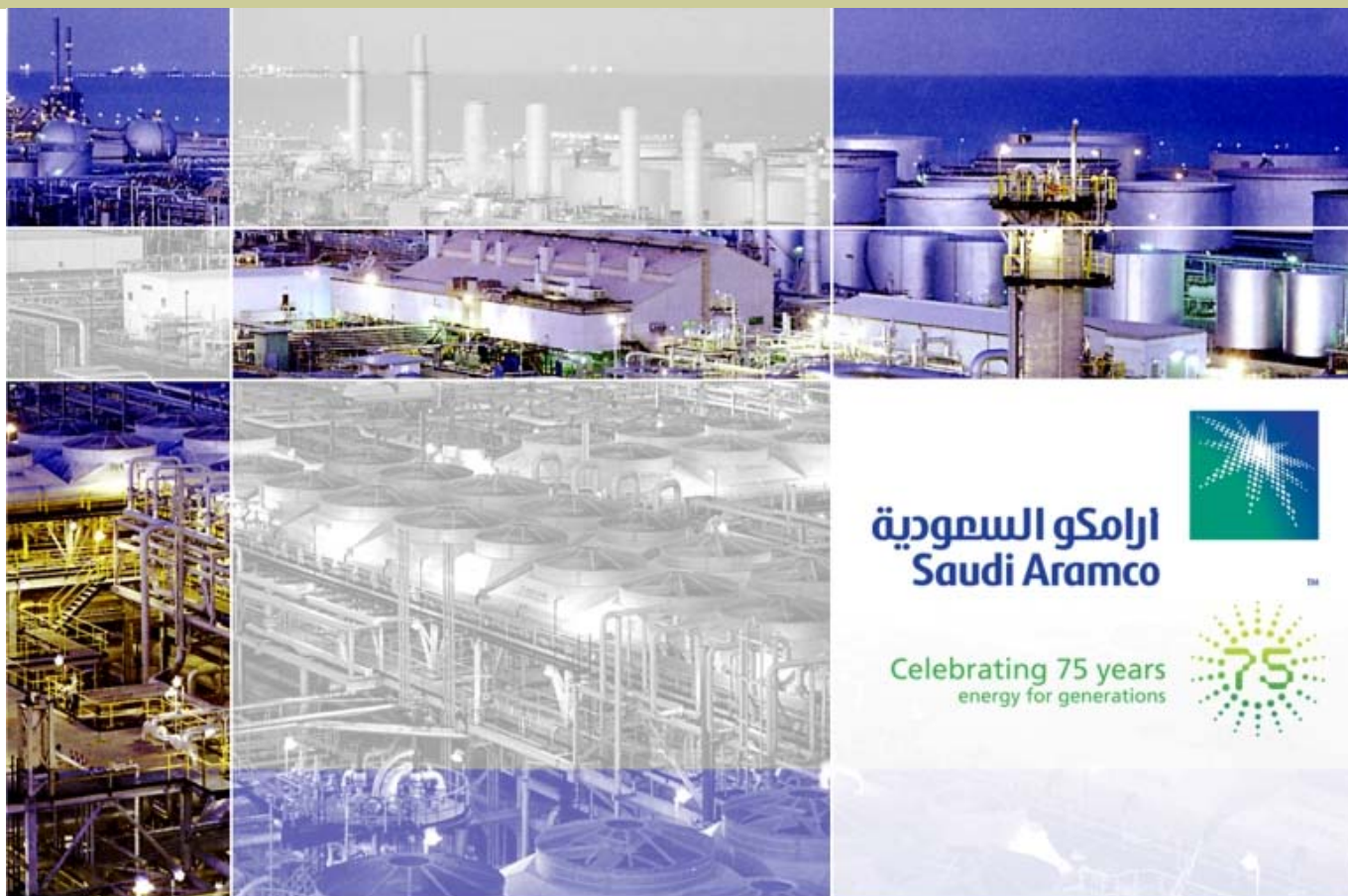
Many of today’s common technologies were engineering marvels just a few years ago and both men and women have accomplished amazing feats in engineering. The purpose of this exhibit is not only to celebrate the accomplishments of women in engineering but also to highlight the progression of engineering and the contributions to modern society that have been made by engineers.

In today’s society the need for engineers is great, however many children and adults in our society are not aware of what engineers do or their past contributions to society. Since many first generation college students have never been exposed to engineering, the intent of this exhibit is to expose students of all ages to the field of engineering and highlight previous accomplishments. The exhibit also reminds viewers of the progression of technology and the involvement of engineers.

For over 50 years, SWE has stood behind a diverse engineering workforce and the idea that women CAN be engineers. That mission continues today with a membership of more than 15,000 individual professionals and students from 22 countries. SWE has more than 300 student sections and nearly 100 professional sections organized into 10 geographic regions.



For more information, visit the SWE-Houston website <http://www.swehouston.org/Petticoats.html>



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Applications of Heterogeneous Catalysis

A five-day short course "Applications of Heterogeneous Catalysis" will be given by the Department of Chemical and Biomolecular Engineering at the University of Houston on **May 12-16, 2008** (<http://www.chee.uh.edu/course/catalysis/>).

The course is designed to match the needs of industrial chemists and chemical engineers engaged in the practice of heterogeneous catalysis, either as beginners or individuals who are experienced in certain areas but wish to acquire an overview of the field. Although research methodology is included, the emphasis is on applications. The course has been given fifty-nine times in Houston since 1971, fifteen times at various locations in Europe, and adapted many times for in-house courses at major companies, and many companies routinely use for training new personnel.

For more information and registration material, contact Professor James T. Richardson at jtr@uh.edu.



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Vital Links

South Texas Section website: <http://sts-aiiche.org>

South Texas Section Young Professionals Group: <http://yp.sts-aiiche.org>

National AIChE website: <http://www.aiiche.org/> (Needs Flash Plug-in)

Earn CEP credits at AIChE functions: http://www.sts-aiiche.org/Texas_PE_CEP_Rule.html

Download the CEP log form: http://www.sts-aiiche.org/STS-AIChE_CEP_Log.xls

Previous Newsletters (PDF format): <http://sts-aiiche.org/newsletterArchives.htm>

Link to THIS newsletter: <http://sts-aiiche.org/newsletter/news2008/news0408.pdf>



South Texas Section AIChE

South Texas Section
P. O. Box 1741
Deer Park, TX 77536-1741

2008 Officers and Contact Information

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Membership Jerry Gresham, Gresham & Gresham

Young Professionals Hui Zhao, KBR

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 2008

We will become an organization with a strong and active membership. We will accomplish this through:

1. Increasing awareness of the South Texas Section of the AIChE
2. Improving relevancy of our programs
3. Improving our governance
4. Hospitality/Welcoming/Social

The South Texan is issued monthly, except June, July and August, by the American Institute of Chemical Engineers, South Texas Section. Opinions expressed are those of the authors and not of AIChE. The newsletter is published electronically.

—— SUBSCRIBE/UNSUBSCRIBE INFORMATION ——

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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@aiiche.org



1-800-AIChemE (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 newsletter@sts-aiche.org with comments, questions, suggestions, and ideas for next month.

Newsletter Editor

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