



Meeting Sponsor



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Monthly Meeting January 13, 2011

Central Location: Brady's Landing Restaurant

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

Meeting Time: 7.00 pm (both locations)

Social Hour starts at 6.00 pm

This month's meeting is sponsored by URS

BACT for GHG – BACT to the Future: Coming to a Facility Near You in January 2011

Speakers: Mark Lockhart and Ron Crum, URS Corporation

USEPA will begin regulating the emissions of greenhouse gases in Prevention of Significant Deterioration (PSD) permits beginning January 2nd, 2011, just a few weeks away. Their long-awaited GHG BACT guidance was issued on November 10 and included over **450-pages** of guidance and sector-specific whitepapers (seven sectors) on controlling greenhouse gases. All new major source permits not finalized by January 2nd are potentially impacted. Some facilities may have to install new controls, modify their permitting practices, and comply with significant new recordkeeping and permitting requirements. There is a good likelihood that your next major permitting effort and capital project will be considerably more difficult and complicated under the new GHG rules and guidance.

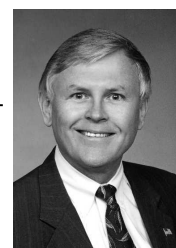
This presentation is intended to help you quickly understand this new EPA guidance and come up-to-speed on the latest strategies for addressing GHG BACT. In this presentation, the speakers will:

- ◆ Discuss strategies for minimizing the impact of the permitting and control requirements associated with the new rules from USEPA.
- ◆ Explain regulatory options, control equipment options, costs, and control efficiencies achieved in practice; and
- ◆ Help you make informed decisions about these issues that could dramatically affect your facility.

Biographies:

Mark W. Lockhart, P.E - Mr. Lockhart is Technology Director for URS Corporation and has over 30 years of experience in the refining and petrochemical industry. He started his career as a plant process engineer before moving to engineering and licensing companies. Mr. Lockhart has extensive experience in process engineering including plant operations, process engineering design, process development and working in the process licensing industry. Mr. Lockhart is a graduate of the Colorado School of Mines with a degree in Chemical and Petroleum Refining Engineering.

Ron B. Crum - Mr. Crum is V.P. Louisiana Operations for the environmental group in URS Corporation. He is a member of the [National Petrochemical and Refinery Association \(NPRA\) Environmental Committee](#). Mr. Crum has over 30 years of experience and has worked in all aspects of the environmental industry.



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

Personal Development Workshop

Speaker: Sam Hester

Soar to Success Minus the Stress

Abstract: Stress is rampant in the U.S. and getting worse. American businesses suffer an estimated \$400 billion a year in stress-related loss to productivity, or, about \$10 thousand per employee. Almost 100 million people in this country take medication for a stress related illness, and the American Medical Association states that at least 80 percent of all illnesses have some stress-related component.

What is the solution? Understanding your physiology and learning to initiate the relaxation response in any situation. In this talk, Sam will explain in clear and simple terms what stress is, and you will learn a variety of techniques to IMMEDIATELY feel relief. As a part of a research study that he conducted, the participants using these same techniques that you will learn reported reducing their stress levels by up to 33% over a three month period of time.

Bio: Sam Hester B.S., cWC, CPT, LWMC, has 25 years of experience in business, academia, and healthcare as a wellness coach, speaker, author, researcher, consultant, and trainer. He is the author of the book, *Soar to Success Minus the Stress*. Sam is a nationally certified *wellness coach, personal trainer and a lifestyle/weight management consultant* who is an acknowledged expert in enhancing wellness, worklife balance, fitness & health and has proactively guided thousands of executives, physicians, nurses and other professionals toward reaching their goals in these areas.



Process Safety Management Workshop

Speaker: Ian Sutton

Process Safety Management in the Offshore World

Abstract: One of the many consequences of the Deepwater Horizon event was to create major changes in the way that process safety management (PSM) is managed offshore. Previously companies operating in U.S. federal waters had followed the guidance of the API's (American Petroleum Institute) Recommended Practice (RP) 75 - first published in 1994, and updated since. RP 75 calls for companies to develop a Safety and Environmental Management Program (SEMP).

In October 2010 the BOEMRE (the new agency that is over offshore safety) issued a rule that requires companies to implement a SEMP program. They have called the new rule the Safety and Environmental Management System (SEMS). Its technical elements are similar to OSHA's 29 CFR 1910.119.

This presentation will provide an overview of the world of offshore safety, and how it has changed. Topics covered include: Offshore safety management – its similarities and differences to onshore safety management, Some technical considerations, particularly the control of blowouts. The growth of exploration and production in the Gulf of Mexico (GoM) and the North Sea, and the different approaches to safety taken by each. The profound impact of the Piper Alpha disaster on process and technical safety. A comparison between OSHA's PSM and the new SEMS. Changes in the regulatory

Bio: Mr. Ian Sutton is a chemical engineer with over thirty years of design and operating experience in the energy and process industries. He has worked with a wide range of technologies, including refineries, offshore platforms, chemical plants and pipelines. He has focused on process risk management and process safety management for the last fifteen years. He is a registered professional engineer in the State of Texas. Mr. Sutton has written a wide range of books, ebooks, papers, knols and articles. His latest book (April 2010) is *Process Risk and Reliability Management*.

CAST Workshop

Speaker: Mr. Peyton C. Richmond

Process Control Research and Training Activities at Lamar University

Abstract: This talk will focus on industrial profitability and competitiveness opportunities for modern chemical plant operations and engineering education. Automation is personified by the Distributed Control System (DCS) that we use to operate our chemical processes; new DCS-based applications appear constantly. Due to generous support from industry and the National Science Foundation, we are developing and researching the effectiveness of DCS based undergraduate educational modules such as alarm rationalization and process troubleshooting.

Bio: Mr. Peyton C. Richmond joined the Dan F. Smith Department of Chemical Engineering at Lamar University as an Associate Professor in the fall of 2006. He received a B.S. and Ph.D. in Chemical Engineering from Lamar University in 1983 and Texas A&M University in 1988, respectively. He supported process simulation users while at Phillips Petroleum's corporate headquarters and subsequently transferred to the Borger Refinery to apply his process simulation skills to support operations and process control activities. Peyton joined Chevron Chemical Company in 1999 at their Kingwood facility supporting polyethylene operations and transferred to the Chevron Phillips Chemical Company's Port Arthur Ethylene Facility in 2000 where he supported optimization and model predictive control applications. Since joining Lamar, Peyton has collaborated with Ethylene Producers Committee (EPC) Process Control (PC) Subcommittee to identify important Advanced Process Control (APC) support practices. His current research interests are model predictive control and optimization. Peyton is registered as a professional engineer in Texas.



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 January meeting.

We have a special pricing arrangement this month. In addition to the reduced pricing due to our meeting sponsor **URS**, we have a super-discount pre-registration price of \$5 for students and unemployed members, due to a donation by AICHE's President-Elect, **David Rosenthal**. Thank you, URS and David Rosenthal!

	Pre-Registration Members	Pre-Registration Non-Members	At the door Members	At the door Non-Members
Regular/Retired	\$15	\$20	\$25	\$30
Student/Unemployed	\$5	\$15	\$20	\$25
North Houston satellite meeting location	\$11	\$11	\$11	\$11

NOTE: You have until 4 PM CST on Jan 12th to pre-register online. After that, you will be required to pay the higher cost at the door.

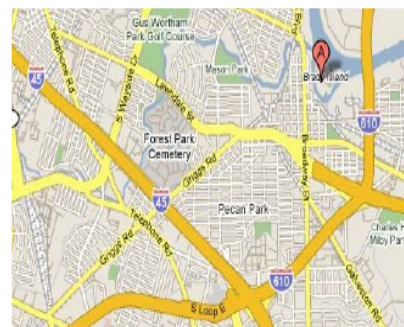
Pre-registration for the meeting is now open through our new website at:

<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 right for directions from your location. Satellite meeting will be held at [Lone Star College - Montgomery](#) (Building B **Room MC-B B111**) at 3200 College Park Drive, Conroe, TX 77384. Double click on the map to the left for directions. Please note the new meeting room for satellite location.



News from Other Professional Societies

Future City Special Award Judges Needed

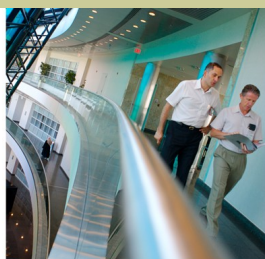
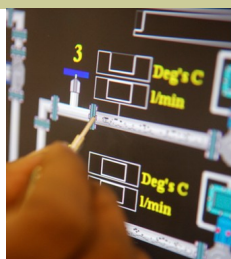
This year, STS is sponsoring a special award for the Future City Competition. Judging will take place on **Saturday, January 22nd** from **7:30 AM to noon** at **San Jacinto College Central Campus in LaPorte**. We need 3-6 volunteers. Donuts and pizza are provided. Contact Heather Gilligan at hkgilligan@gmail.com if you can volunteer!

Teams of 3 middle school students work with their teacher and a mentor to design their city 150 years in the future using SimCity software, write an essay and abstract about an aspect of the city then build and present a scale model at the regional competition. Winners from this competition get an expense-paid trip to the national competition in Washington DC during Engineering Week. This is a great way to encourage kids to stay interested in math, science and engineering!

Volunteers Needed—2011 OTC

The 2011 Offshore Technology Conference 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 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.



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TM

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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 - Economic analysis
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- Feasibility and Scoping Studies
- Process Design Packages
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- Commissioning and Start-up
- Decommissioning and Removal
- Operations and Maintenance (including Small Capital Construction)
- Turnaround
- Site Remittance/Remediation

URS

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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.

North Houston Satellite Meeting Information

- ◆ Where : 3200 College Park Drive, Conroe (The Woodlands), TX 77384 (Building B Room MCB B111)
- ◆ When : Jan 13th from 6.00 pm
- ◆ 6:00p – 7:00pm pre-meeting social time at Tailgator's Pub
- ◆ 7:00p – 7:45pm pre-meeting presentation on CO₂ Removal from Natural Gas By Scott Northrop, Exxon Mobil & eating of dinner
- ◆ 7:45 pm – 8:15 Awards / Announcements followed by Comfort Break
- ◆ 8:15 pm STS-AIChE Presentation
- ◆ Catered dinner: Deli sandwich, chips and a cookie. North Houston members can pre-register online at <http://sts.aiche.org/content/meeting-pre-registration> for only \$11.



From the Incoming STS-AIChE Chair

Welcome to the 2011 new year for the South Texas Section! I am pleased to have the opportunity to serve as the new section Chair and look forward to an exciting year.

It has been another great year for our section. Attendance remains high at our monthly meetings and we have been able to keep costs low thanks to generous support from sponsors. Our Regional Process Technology Conference in Galveston was again a huge success, attracting hundreds of participants from Texas and neighboring states. We arguably have the most active Young Professionals group in the country, providing many of the section leaders that keep our organization fresh and vital. We have greatly increased our K-12 activities, looking to build excitement for chemical engineering among those local youngsters who will lead our profession in future decades.

In this short space, I cannot begin to acknowledge all of the highly-dedicated volunteers who have made this organization work so effectively over the past year. However, I would like to express my gratitude and thanks for those elected members of the Executive Committee who are leaving office and welcome those who are replacing them. In particular, we thank Todd Willman who is stepping down as Past Chair, completing his three-year rotation through our chair positions. Hiren Patani is completing his two-year term as our treasurer. We also thank Gary Gildert (Education Chair) and Daniel Shiosaki (Communications Chair) for their leadership role on the Executive Committee. Finally, I would like to give special thanks to the mentorship I have received from Alan Rossiter who retires as Chair and continues on the Executive Committee in the position of Past Chair.

Finally, I encourage you all to share your fresh ideas with me and the other members of the Executive Committee. You will find our contact information in this newsletter. Your comments, suggestions, and questions are always welcome. Better yet, we are looking forward to speaking with you personally at the meetings and workshops throughout the coming year.

Sincerely,

Kenneth Cox

December Social Meeting & The Magic Show Highlights...

STS-AIChE continued its tradition of having an entertainment-filled December monthly meeting organized by the Young Professionals. The audience was treated to spectacular and high energy entertainment by award-winning Magician Lanny Kibbey who enthralled the audience with his illusion and humor. The show also drew audience participation and was filled with laughter.

The YP's kept the audience busy with games, and raffle prizes were awarded to the lucky ones. The whole meeting was packed, which included several at-door registrations. Thank you to all who attended this event – it was indeed a memorable event! See next page for photos taken during the event...

December Social Meeting & The Magic Show Pictures...



Letter from the Incoming YP Chair

Hello Young Professionals,

New Year Greetings! It is a privilege to serve as Chair for the Young Professionals (YP). I would like to begin by thanking our past YP Chair, Kelly Richardson for doing an outstanding job. Kelly will continue to serve on the board and advise us as we plan events throughout the year.

We have our bi-annual planning meeting coming up on January 20th at Little Napoli, and we invite all YP's to join us and share your ideas as we plan various activities for this year, including workshops, university visits, social events, and much more. Check out the details on our website, <http://yp.sts-aiche.org/>. Please come with ideas and come hungry. We continue to seek pro-active YP's who can help us with various events.

I can't emphasize enough that getting involved with our YP group is a rewarding experience. Your experience with YP is what you want it to be and all our activities offer the platform to have fun, exchange knowledge, and network with peers in the industry. All our activities remain aligned with AIChE's mission and vision as we aim to bridge the gap between the YPs and seasoned professionals. So I encourage you to get active with us and let us lead you to your success.

Sincerely,

Jayce Mathews

2011 STS-AIChE YP Chair

yp@sts-aiche.org



YP Annual Membership Appreciation Dinner

The YP's held their Annual Membership Appreciation Dinner at Star Pizza. Several YP members came out to network, and played pool and other games while enjoying their pizza. Below are a few snapshots from the event.....



YP Events

YP Bi-Annual Planning Meeting

Date: January 20th, 2011

Time: 6-8 PM

Location: Little Napoli (6445 Westheimer Road, Houston, TX)

RSVP: yp@sts-aiche.org

Food will be provided. **RSVP is required to attend.**

YPgiving

We have started a new initiative called YPgiving where the YP's will sponsor one young member (including ChE students) at each of our monthly dinner meetings. To qualify, you will have to share new ideas about potential YP activities that would be beneficial to you and also provide constructive feedback to our activities. Email your 3-4 sentences to yp@sts-aiche.org and we will let you know if you are the lucky one. If you know any YP, please share this with them.

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.

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 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.

STS and Student Chapters

One of the major items in the STS-AIChE budget is support for student chapters at the chemical engineering schools within our territory. This year we provided funds to help student groups attend the AIChE Annual Student Conference, which ran in parallel with the AIChE Annual Meeting in Salt Lake City in November. Here is some feedback from the student groups:

Prairie View A&M University

I must say, Salt Lake City, UT was beautiful!! Thank you STS-AIChE for providing the funds for us to attend the National AIChE Conference this year. The funds were used for the sole purpose of purchasing our airfare. Because of you, we were able to take 5 students this year!

While there, we were able to network with students and industry leaders from different organizations, exchange ideas for overcoming obstacles we face within our chapter, perform community service at a local middle school to show how "cool" chemical engineering can be by making ice cream, sightsee at the Olympic Park, meet some Olympic lugers, experience the angelic voices of the Mormon Tabernacle Choir, and taste some of Salt Lake City's finest cuisine! Overall it was a wonderful experience! Thank you once again for your support!!

Elizabeth M. Wallace
2010-2011 AIChE President
Prairie View A&M University



Texas A&M

The Texas A&M group at Salt Lake City this year consisted of 16 students. At the conference all of us were required to attend at least two workshops. These workshops have assisted us in preparing for the upcoming regional conference next semester. Furthermore, our officers brought back plenty of ideas on how to improve our chapter. During the conference, two of our officers, Emeric Naseman and Hunter Hicks, were elected to the Executive Student Committee for the Southwest Region.

On behalf of AIChE-TAMU I would like to thank you again for helping our chapter attend the 2010 Annual AIChE Student Conference.

Scott Hailey
President, AIChE-TAMU



Photos: PVAMU group members meet Olympic Lugers on a tour of Olympic Park (top); The PVAMU group meets Salt Lake City middle school children in a community service project (middle); The TAMU group (bottom)

STS and Student Chapters (Cont)

University of Houston

The University of Houston chapter of the American Institute of Chemical Engineers (AIChE) would like to thank STS-AIChE for the generous contribution of \$2000. Your financial commitment assisted the University of Houston AIChE chapter in meeting our goals to enhance the education of our members, and ultimately help our graduates stay at the competitive edge of this changing and challenging major. Your award was used as funding specifically for our attendance to the National AIChE Conference in Salt Lake City, Utah.

There are very few opportunities like these, where classmates of all levels are able to travel together to another city or state, participate in activities, dinners, attend speeches together, and represent the University of Houston AIChE chapter during the Chem-E Car competition. These conferences are not only fun and informative, but contribute to the development of lifelong friendships and connections between fellow classmates and AIChE members.

The National Conference in Salt Lake City was a tremendous success. Even though our Chem-E car team did not place in the final championship, we had a great time visiting with the other schools and watching all the different schools compete in the competition. It was a great opportunity to learn about other methods of mechanical energy generation under the strict competitive criteria that the Chem-E car competition employs. The logistics of the trip were executed properly, and all costs were minimized by extensive planning by our officers. We believe it is our duty to maximize our sponsor dollars.

We are also pleased to announce that we were able to subsidize a **record breaking 19 members** to attend the National Conference this fall! Never before have so many eager and active AIChE members been able to attend the National Conference, and we gladly extend our utmost thanks to STS-AIChE for its generous contribution to our society.

We are proud of our Chemical Engineering program and our university, and with your help we can continue to support the program and ensure the development of intelligent and ambitious engineers. Thank you for your time.

Meaghin Lucero
UH AIChE President

Jonathan Mohler
UH AIChE Vice-President



Photos: UH group members (top); UH Chem-E Car Competition team members (left)

STS and Student Chapters (Cont)

Rice University

One of the most anticipated events of the fall semester that Rice AIChE members look forward to is the National Conference where we can spend an intense weekend gaining personal experiences and networking to develop into professional chemical engineers. For our chapter, these conferences serve to open doors to career opportunities, discover other chapters' unique characteristics and programming, and to bond more closely as Rice chemical engineers.

We have had a number of students attend multiple times and also help direct younger students. Each year, we find the career workshops and graduate school fair most useful to help determine which of the many fascinating directions we can choose as chemical engineers. These range from oil and gas to food and intellectual property. Our attendees take advantage of the networking opportunities, as it's invaluable to have advice from industry professionals, some of whom make hiring decisions. But professional development is not the only dimension we seek to improve; we want to make our chapter stronger, too.

Observing Chem-E Car and other chapters' community service outreach programs has inspired our members to pursue these activities at Rice. Last year, we started Chem-E Car, and this year, elementary school science demonstrations resonated with the future leaders of our club.

Lastly, we travel to vertically integrate friendships between class years and connect with chemical engineers from other universities outside of the classroom. This spurs lasting friendships beyond college and stronger participation in AIChE. Overall, we left bolstered with helpful advice, enthusiasm for future endeavors, and closer relationships with each other to chase after our goals. Thank you for your continued support of Rice AIChE!

Nicholas Hoeft
Rice University AIChE President



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

South Texas Section AICHE

South Texas Section, Houston

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Volunteers

Arrangements:	Richard Newman, David Silarski
Membership:	David Silarski
Young Professionals:	Jayce Mathews
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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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Contact us at sts-newsletter@aiche.org with comments, questions, suggestions, and ideas for next month.

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