

The South Texan

2003 Marx Isaacs Award for Outstanding Large Section Newsletter

Voted "Best Newsletter" at 2009 AIChE Leadership Development Conference



Highlights

- ◆ 2010 AIChE Process Technology Conference
- ◆ Oct meeting at Moody Gardens Hotel and North Houston Satellite Meeting at Lone Star College
- ◆ Volunteering Opportunities

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Monthly Meeting Oct 07, 2010

Central Location: Moody Gardens Hotel, Galveston

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

Meeting Time: **6.00 pm** (both locations) (**Note the earlier time**)

(Social Hour starts at 5.00 pm at the central location)

Special Process Technology Conference Edition

The Future of Chemical Engineering

Our capacity to understand the key trends that will shape the future of chemical engineering will determine how we need to prepare ourselves personally and professionally. Hank will discuss the key role of science and technology as well as how we may need to change the way that we look at our careers and the skills we will need for future success. He will also discuss how AIChE is changing to support the profession of chemical engineering and its members.

Bio: Henry T (Hank) Kohlbrand is the 2010 President of AIChE. He has worked for The Dow Chemical Company for the past 36 years in a variety of technology and management positions in R&D and manufacturing and has worked in a broad range of fields including specialty chemicals, biotechnology and plastics. Hank recently retired from his position as the Global R&D director for Process & Manufacturing Technology. He has also contributed to AIChE through his service on the Board of Directors, programming leadership in a variety of areas, CCPS, CWRT and IFS. Hank is recognized for his expertise in reactive chemicals engineering and process scale-up and his technical interests include modeling and design.



North Houston Satellite Meeting

If you can't make it to Galveston we invite you to come and join us via the Internet, and share in some professional camaraderie, at Lone Star College – Montgomery!

We will again be webcasting our dinner meeting this month. Last month our webcast was attacked by audio gremlins. This time we will be using a totally new, triple-redundant system, and we believe we have the gremlins licked. The satellite meeting in the Woodlands will be at the same location as last month (**Lone Star College – Montgomery, 3200 College Park Drive, Conroe, TX 77384**), **starting at 6 pm (note the earlier time)**. If there are any questions regarding The Woodlands/North Houston satellite meeting, please call David Keyes at 832-316-0451. We're also anticipating that a few other satellite locations will also be joining us. So, whether virtually or in person, we look forward to seeing you on October 7! The satellite group invites all to join them for an informal networking hour ahead of the meeting (everyone's nickel) at the [Tailgator's Pub](#) (**8000 Highway 242 # 125 Conroe, TX 77385**) at **5:00 PM**.

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 October meeting.

STS-AIChE: September meeting at <u>Aramco Services Building</u>				
	Pre-Registration	Pre-Registration	At the door	At the door
	Members	Non-Members	Members	Non-Members
Regular/Retired	\$32	\$40	\$40	\$48
STS-AIChE: September Satellite meeting at <u>Lone Star College</u>				
All	\$11			

NOTE: You have until 4 PM CST on Oct 6th to pre-register online. After that, you will be required to pay the higher cost at the door.

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

<http://sts.aiche.org/content/meeting-pre-registration>

Attendees of the meeting will earn 1 PDH

for the Texas Professional Engineer

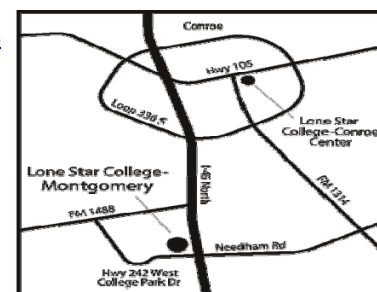
Continuing Education Programs.

Remember to track your hours!

Meeting Location—Moody Gardens Hotel, Galveston



This month's meeting will be held at Moody Gardens Hotel, Galveston (Seven Hope Boulevard Galveston, Texas 77554). Double click on the map to the left for directions from your location. Satellite meeting will be held at Lone Star College - Montgomery (Building A Room A-102) at 3200 College Park Drive, Conroe, TX 77384. Double click on the map to the right for directions from your location.



STS-AIChE Future Dinner Meeting Schedule, 2010

Date	Sponsor	Location	Dinner Speaker Topic	Speaker	Workshops
November 4, 2010	tbd	Pelazzio Banquet Hall	tbd	tbd	yes
December 2, 2010 (subject to change)	tbd	Westchase Hilton	Paul Driscoll, Magician	Christmas Social	no

News from Other Professional Societies

Wanted Mentors for Future City Competition.

The mission of the National Engineers Week Future City Competition is to provide a fun and exciting educational engineering program for sixth, seventh and eighth grade students that combines a stimulating engineering challenge with a "hands-on" application to present their vision of a city of the future. Mentors should have a technical background but license or degree is not mandatory. **When:** September – January, **Time:** Generally 6-10 hrs/month, **Where:** A Middle School near you! If interested, please contact Heather Gilligan, South Texas Regional Mentor Coordinator, at hkgilligan@gmail.com.

2010 AIChE Regional Process Technology Conference, Galveston, TX (Oct 7th and 8th)

Galveston, Texas; October 7 and 8, 2010 -The South Texas Section of the AIChE, in partnership with AIChE National, is hosting its 2nd Regional Process Technology Conference at the Moody Gardens Hotel in Galveston, October 7 & 8, 2010. This conference will attract hundreds of chemical engineers living in the Greater Houston and Gulf Coast region to provide them with both technical sessions and industry solutions in process technology. With 400 attendees in 2009, the 2010 conference will be even bigger and better with more regional participation from the largest concentration of petroleum refining, chemical processing, engineering and technology firms in the US.

Given the financial pressures that all of us are feeling, many companies have had to cut travel budgets and professional develop funding. Against this background, the goal of the conference is to provide an easily accessible, high-quality technical program for chemical engineers in the Greater Houston area, focused on issues that are relevant to local industries. The program includes sessions on advances in petrochemical technologies, distillation and separation, thermodynamics, process safety, reaction engineering/catalysis, energy efficiency, environmental issues, and oil refining. There will also be an exhibition, and a separately ticketed conference dinner on Thursday evening (October 7), which will also serve as the STS-AIChE monthly dinner meeting. The conference website contains additional information, including the meeting program - see: <http://www.aiche.org/Conferences/2010Regional/Galveston.aspx>. The conference will be held at **Moody Gardens Hotel in Galveston, October 7 & 8**, and we hope to see you there.

AIChE's Education Services Committee Needs Your Help

AIChE, together with ASME (American Society of Mechanical Engineers), offers professional and technical training courses taught by industry experts at selected sites around the country. One of the responsibilities of AIChE's Education Services Committee is to develop new courses and, in this regard, the Committee would like to solicit ideas for new topics from the STS-AIChE members. For your orientation on what courses are currently being offered, please see www.asme.org/education or the September issue of CEP for the Fall 2010 Course Calendar. Any help you can provide will be greatly appreciated.

STS Young Professionals news and events

Upcoming Events

- ♦ Join us on Saturday, October 2nd at the Kemah Boardwalk for food and entertainment.
- ♦ STS-AIChE YP is sponsoring Tutorials during the Process Technology Conference on Friday, October 8th.

Volunteer Opportunities

- ♦ We are looking for individuals to design and work on a project for Engineers Without Borders.
- ♦ A volunteer is needed to organize a community involvement activity for December.

Contact STS-AIChE YP

For additional details visit our website at <http://yp.sts-aiche.org/> or contact us at info@sts-yp.org.

Business Etiquette Tip of the Month

"Business Etiquette Tip of the Month" by <http://clubetiquette.com/>

Feeling lost in the crowd? Remember, Eleanor Roosevelt's quote, "No one can make you feel inferior without your consent." Proactively introduce yourself to someone new. Take responsibility for keeping the conversation going.

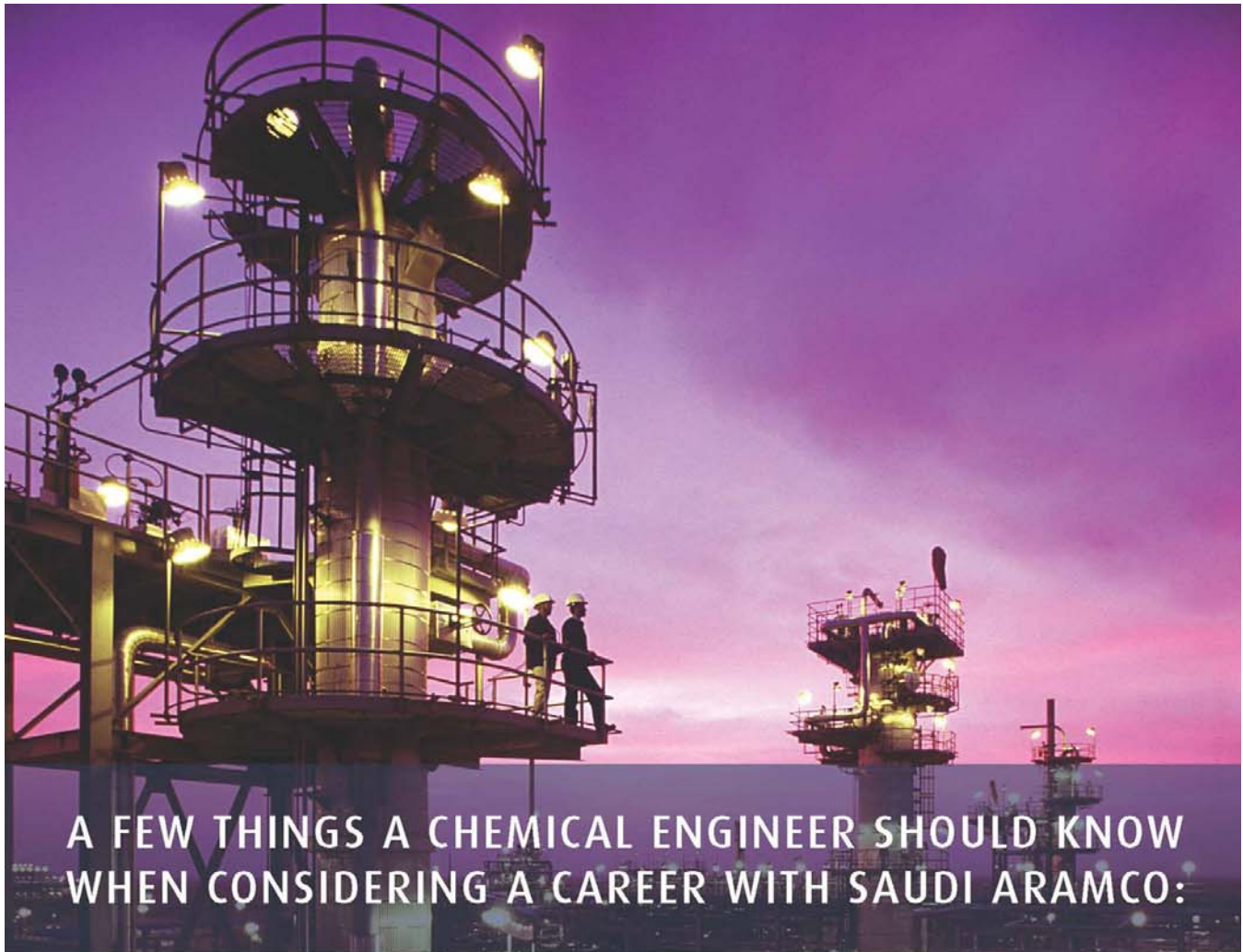
September 2, 2010 Satellite Meeting at The Woodlands, TX

Ken Cox, Chair-Elect for the section, joined South Texas AIChE's newly formed North Houston group on September 2 in The Woodlands for the first ever remote meeting. Group members in North Houston socialized amongst themselves eating a light, catered dinner until joining the larger STS-AIChE group remotely via webcast. The technical broadcast titled, "All You Ever Wanted to Know About Oil Well Blowouts But Were Afraid to Ask," went well except for a substandard audio feed. Meeting organizers have identified the problems and will have them resolved before the next meeting in October.

The Woodlands residents Dave Keyes and Connie Carroll initialized the effort to set up the North Houston/Woodlands group with an inquiry into alternate ways to meet the South Texas Section's large geographical challenges. Initial momentum and directional-focus was generated by a mid-May meeting of North Houston area residents with Alan Rossiter, current STS-AIChE Chair, and Carol Schmidt, our Secretary. Alan Rossiter, Dave Keyes, Connie Carroll and Chris Tagoe (past chair and also a resident of The Woodlands) performed webcast testing and meeting organization. Steve Arendt graciously offered the offices of his company, ABS Consulting, as a potential venue for the first meeting. The September meeting, however, was held at The Lone Star College campus in The Woodlands due to full year venue availability and a location that was more central for the group as a whole. Seventeen members, in addition to the organizers, attended this first meeting in The Woodlands. Attendees represented the cities of Spring, Kingwood, Conroe and The Woodlands.

Members from North Houston and The Woodlands have spearheaded the development of the webcast/satellite meeting concept. However, we were also glad to welcome a group of eight Texas A&M students who also had their own meeting and joined the webcast on September 2. AIChE's National organization also offered valuable assistance and critical support. Thanks to all who worked to test out this novel concept and to a very understanding first audience. We look forward to adding more venues for satellite meetings in the months ahead.





A FEW THINGS A CHEMICAL ENGINEER SHOULD KNOW WHEN CONSIDERING A CAREER WITH SAUDI ARAMCO:

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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. 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

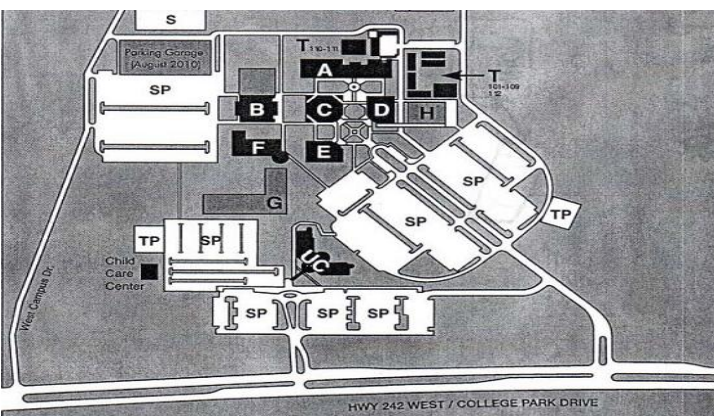
Houston, Texas 77210

Telephone: (281) 575-4348

Fax: (281) 575-5258

North Houston Satellite Meeting Information

- ◆ Where : 3200 College Park Drive, Conroe (The Woodlands), TX 77384 (Building A Room A-102)
- ◆ When : Oct 7th from 6:00 pm to 8:15 pm. Networking hour ahead of the meeting (everyone's nickel) meet at the [Tailgator's Pub](#) at 5:00 pm
- ◆ Large screen and pre-wired audio.
- ◆ 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 Chair

October is on the horizon. It brings with it the highlight of our calendar – the 2010 AIChE Regional Process Technology Conference, October 7 and 8. You'll find more information on the conference elsewhere in this newsletter, and also on the conference website

(<http://www.aiche.org/Conferences/2010Regional/Galveston.aspx>), where you can also register.

A great many people have been working to pull this together, alongside Past-Chair Todd Willman and myself. Our session chairs and co-chairs have done a phenomenal job of assembling the technical program. Please thank them for their stellar work if you see them: Colin Bowen, Jose Bravo, Jack Chosnek, Ashok Dewan, Vic Edwards, Kathey Ferland, Gary Gildert, Amrit Kalra, Matt Kolodney, Jo-Tsu Liao, Lowell Pless, Syamal Poddar, Kelly Richardson, Carol Schmidt, Kevin Todd and James Turner. Daniel Shiosaki has been taking care of sponsors and exhibitors, and Richard Newman is working his usual magic with meeting arrangements – and thanks also to those of you have responded to his call for volunteers to help at the conference.

Another key component of this event is our collaboration with the AIChE National office in New York. Kristine Chin has done an outstanding job of coordinating the whole conference, ranging from setting up the website, preparing the conference program book, participating in every phase of planning (and endless conference calls), and generally keeping Todd and me in line (the toughest job of all!). Others from the New York office have also helped, including Doris Deutsch and Tara Fleminks. Many thanks to all!

As many of us will be in Galveston for the conference, we are also holding our monthly dinner meeting there. We're delighted that AIChE's President, Hank Kohlbrand, has agreed to be our dinner meeting speaker. His topic is "The Future of Chemical Engineering", and in these challenging and dynamic days I'm sure all of us will be interested in hearing what he has to say on the subject.

All that remains is to say I look forward to seeing you all in Galveston. And if you haven't signed up yet – why not?

Alan Rossiter, Chair.

September PD Workshop: An Impromptu Social Media Networking

STS-AIChE would like to thank Teresa Jurgens-Kowal for doing an impromptu PD workshop in the September meeting. When the speaker's cancellation for the September PD Workshop didn't reach the organizers, Teresa Jurgens-Kowal of Global NP Solutions stepped up to the plate...or computer, as the case was. Drawing on marketing experience, Teresa demonstrated three of the major social media networking sites: Linked In (www.linkedin.com), Facebook (www.facebook.com), and Twitter (www.twitter.com). Facebook currently has over 500 Million users, with the fastest growing segment of users being women over 50! The discussion was lively and interactive, and Teresa gave tips on using Linked In groups to find connections in specific companies targeted for a job search, ideas on how to keep your Facebook profile professional, and managing tweets on mobile devices. While HR departments are certainly researching YOU on social media, how companies can benefit from marketing through the new media is yet to be determined. Follow Teresa on Linked In, on Facebook, or Twitter (@globalnpsd).

Bio: Teresa is President of Global NP Solutions, providing strategic innovation coaching 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. Dr. Jurgens-Kowal earned a B.S. degree in Chemical Engineering from the University of Idaho in Moscow, Idaho and a Ph.D. in Chemical Engineering from the University of Washington in Seattle, Washington. She is a licensed Professional Engineer in the State of Louisiana since 1998. In addition to being an AIChE member, Teresa is a certified New Product Development Professional (NPDP) and a Registered Education Provider (REP) by the Product Development Management Association (PDMA) and a member of the American Marketing Association (AMA).



Upcoming ExCom elections

Here is our final list of candidates for the 2011 STS-AIChE Executive Committee open positions:

Chair-Elect – Richard Newman & James Turner

Position 1 – Gary Gildert & Heather Gilligan

Position 3 – Jay Chandrasekan & Hiren Patani

Treasurer – Ven Pinjala, Katherine Leskin, and Carlos Salamanca

In addition to the Executive Committee elections, there will also be some proposed updates to our bylaws on the ballot. Information will be coming out shortly on the election procedures. If you are an STS-AIChE member, your vote is important, so please respond when you receive the formal election information.

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 something new, 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](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.

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.cmhoustan.org>) also has outreach programs.

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

South Texas Section AIChE

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2010 Officers and Contact Information

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Arrangements: Richard Newman,
David Silarski

Membership: David Silarski

Young Professionals: Kelly Richardson

Awards: Tom Menn

SOUTH TEXAS SECTION MISSION STATEMENT

As a section of AIChE, we serve chemical engineering professionals in the South Texas region through education, professional development, and networking.

Vision 2013

<<To be developed>>



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MAINTAIN YOUR CONTACT INFORMATION WITH 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:



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The South Texan Newsletter Crew

WHAT DO YOU THINK OF THE NEWSLETTER? We want to know!

Contact us at sts-newsletter@aiche.org with comments, questions, suggestions, and ideas for next month.

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