



Monthly Meeting October 9th, 2014

Central Location: Floral Hall A, Moody Gardens Hotel & Convention Center, Galveston (Social Hour at 4:30pm, Dinner at 6 PM)

Satellite Location: There is no satellite in October. We plan to webcast the announcements and awards live on our new [YouTube channel](#). More information at <http://sts.aiche.org/>.

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Topic: Seeking out and taking advantage of unexpected opportunities while establishing personal and professional goals and aspirations

Speaker : Colonel Timothy MacGregor

Abstract: Colonel MacGregor draws on his own experiences both inside and outside the air force to illustrate how opportunities can arise in unexpected ways. He challenges us to be alert to the chances we get to pursue our goals and aspirations. This talk is a must for all professionals, young and not so young.

Bio: Colonel Tim MacGregor is the Commander of the 47th Operations Group, Laughlin Air Force Base, Del Rio, Texas. He is responsible for the management and execution of the United States Air Force's largest Specialized Undergraduate Pilot Training operation, training over one-third of all new U.S. Air Force pilots every year.

A native of Seattle, Washington, Colonel MacGregor enlisted in the Air Force in 1983, and in 1986 received an appointment to the United States Air Force Academy where he graduated with military distinction in 1990. He earned his Air Force pilot's wings in 1991, later serving on five wing staffs, as well as a U.S.-based, and deployed KC-10 Director of Operations and Squadron Commander. He has also served on the Headquarters USAF staff at the Pentagon.

He most recently served as Deputy Director of CAPSTONE, National Defense University, Washington, D.C., ensuring newly selected generals and admirals understand the fundamentals of joint doctrine and other national strategic goals and objectives.

Colonel MacGregor is a command pilot with approximately 3,600 flying hours including 56 combat missions during Operations IRAQI FREEDOM and ENDURING FREEDOM.

Col MacGregor's educational background includes the United States Air Force Academy (BS), Florida State University (MS), the United States Naval War College (MA) and National Defense University (MS).



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	\$32	\$40	\$40	\$48
Student/unemployed	\$32	\$40	\$40	\$48

NOTE: You have until 4 PM CST on October 8th to pre-register online. After that, you will be required to pay the higher cost online or at the door.

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

<http://sts.aiche.org/>

Meeting Location— Floral Hall A , Moody Gardens Hotel & Convention Center



This month's meeting will be held at [Floral Hall A, Moody Gardens Hotel & Convention Center](#) (7 Hope Boulevard, Galveston, Texas 77554). Double click on the map to the left for directions from your location. There is no Satellite Meeting this month. We plan to webcast the announcements and awards live on our new [YouTube channel](#). For More details information, please check our website <http://sts.aiche.org/>.

STS AIChE October 2014 North Satellite Monthly Online Webcast

There will be no satellite dinner meeting this month. Instead there will be a LIVE webcast of the main meeting via our YouTube channel. The webcast will start with announcements and awards at 6:30. The main presentation will not be available on line this month.

You can view the webcast here on our website (below) or via our Youtube channel [here](#).

STS-AIChE's 2014-2015 Season Pass

Announcing the new Season Pass for the American Institute of Chemical Engineers, South Texas Section dinner meetings for **\$134**.

Season Pass offers the convenience of a single sign-up and single payment for the remaining seven technical meetings in the 2014-15 season. Season pass holders also get priority sign-up for all special events. Please visit our home page (sts.aiche.org) for the latest schedule of topics and venues.

Season Pass holders are recognized as patrons on the STS-AIChE web site and in our award winning newsletter. This is a great way to show your support for your section at no additional cost. Season Pass holders will be issued a permanent name tag – no need for sticky paper name tags. Your fellow members will recognize you as a patron and regular attendee.

Season Pass holders save nearly 40% compared to the on-site cost of the dinner meetings. They also save the hidden costs of multiple transactions and tracking the payments and reimbursements, if applicable.

Please check website <http://sts.aiche.org/content/2014-2015-sts-aiche-season-pass> for detail information.

October 2014 STS-AIChE Chair's Letter – Carol Schmidt

Our meeting on September 11th at Pelazzio started our fall off with a topic near and dear to our hearts. Nate Hatcher spoke about modeling mass transfer rates. If you were unable to join us, you can view archived presentations on our YouTube Channel: South Texas Section of AIChE.

During the meeting, a few of you came to me and expressed interest in getting more involved. Three new people came to the executive committee meeting the following week and I saw Phuc again at the STS-YP planning meeting. On behalf of our awesome, established volunteers, we thank you and appreciate your input. We are by no means at max capacity for volunteers, new or existing, and I look forward to the new dynamics in this wonderful organization. For those of you who are still looking for ways to get involved, please check out the section entitled, "Call for Volunteers", in the newsletter.

Our annual elections are coming up. Every year we have a new Chair Elect, but this year we are looking for a new Treasurer, Position 1: Education (Workshops), and Position 3: Communications. We really appreciate all of the work done by Ven Pinjala, Shane Tierling and Aiyng (Annie) Li. They have ensured us that they are more than willing to assist incoming board members. If you are interested in running for any of these official positions, please contact Gary Gildert at sts-pastchair@aiche.org.

Our next meeting will be in Galveston, at the 6th Annual Southwest Process Technology Conference, Oct. 9th-10th. Our dinner speaker will be Colonel Timothy MacGregor. The title of his presentation is "Seeking out and taking advantage of unexpected opportunities while establishing personal and professional goals and aspirations". Season pass holders have an automatic ticket to the dinner meeting, and are encouraged to attend the conference. Unfortunately, we will not be webcasting the dinner presentation over YouTube, but we will be webcasting the meeting announcements at 6:30pm to honor our many award recipients. More information can be found at the website below.

<http://sts.aiche.org/event/6th-annual-aiche-southwest-process-technology-conference>

Please share this with those in your department, especially your department manager. STS-AIChE is dedicated to serving the chemical engineering community. We need your involvement to ensure we are achieving that purpose. I have met some of the most fascinating people at the monthly meetings. I have gotten help and tips from colleagues that helped me solve technical problems. This is your organization. Make the most of it.

I would like to encourage everyone to share your ideas and suggestions with me and other members of the Executive Committee. Together, we can continue to make STS-AIChE a place of community, fellowship and education for us all.

Sincerely,

Carol Schmidt
Jacobs Engineering

2014 STS-AIChE Future Dinner Meeting Schedule

Date	Location	Speaker	Affiliation	Topic	Sponsor/Comment
10/9/2014	Moody Gardens Hotel & Convention Center	Colonel Timothy MacGregor	47th Operations Group, Laughlin Air Force Base, Del Rio, Texas	Seeking out and taking advantage of unexpected opportunities while establishing personal and professional goals and aspirations	
11/6/2014	Brady's Landing	TBD	TBD	Water Forum	
12/4/2014	TBD	N/A	N/A	Social - Casino Night	Planned by the Young Professionals

2014 AIChE Southwest Process Technology Conference

October 9-10, 2014, Moody Gardens Hotel & Convention Center



SPTC is almost here! If you haven't signed up yet for the premier chemical engineering event on the Gulf Coast, why not? Here are a few highlights:

- Outstanding technical program (see below)
- Extensive exhibition
- Career fair
- Student program
- Networking with 500 colleagues
- Meet old friends and make new ones
- October STS Dinner
- Post-conference mixer

Details & registration at: <http://www.aiche.org/conferences/southwest-process-technology-conference/2014>

Interested in volunteering? Contact Dave Silarski, littleto@member.aiche.org

Interested in judging the Best Presentation Award? Contact sptc14@aiiche.org

Interested in sponsoring, exhibiting, or having a booth at the career fair? Contact Alan Rossiter, alan@rossiters.org

Program:

Keynote address, Thursday October 9, 8:30 am:

Wonders and Challenges of Process Research in the Chemical Industry

Dr. Rui Cruz, Research & Development Director, Exploration and Production - Dow Oil Gas and Mining, The Dow Chemical Company .



Technical Sessions and Other Events:

Thursday, October 9:

Morning Sessions:

- Track 1: Energy Efficiency & Asset Optimization
- Track 2: Catalysis & Reaction Engineering
- Track 3: Thermodynamics & Process Simulation

Afternoon Sessions:

- Track 1: Process Safety
- Track 2: Distillation & Separation
- Track 3: Upstream Oil & Gas

Evening:

- Special Session: Ethics & Professionalism
- STS-AIChE Dinner Meeting

Friday, October 10:

Morning Sessions:

- Track 1: Chemical Process Technology
- Track 2: Student Program
- Track 3: Process Control & Optimization

Afternoon Sessions:

- Track 1: Petroleum Refining Technology
- Track 2: Process Development & Chemical Manufacturing
- Track 3: Technical Session for Young Professionals

Evening:

- Post-Conference Mixer

Young Professionals Sections

SPTC Mixer!

Don't miss the mixer on October 10th hosted by the Young Professionals of STS after the Southwest Process Technology Conference! The mixer will be at 4:30pm directly after the conference at The Spot (3204 Seawall Blvd, Galveston, TX). Come do some networking, relax, and watch the waves roll in after the conference. All conference attendees are welcome! More information of the mixer can be found at:

<http://www.aiche.org/conferences/southwest-process-technology-conference/2014/events/post-conference-mixer>

YP Volunteers Needed: [SPTC](#) – Thursday & Friday, October 9&10th

Young Professionals are needed as volunteers for the [6th AIChE Southwest Process Technology Conference](#). Volunteers duties include working at registration, working as session aides for the technical presentations, and collecting lunch tickets. Volunteers will receive free registration for the day(s) they volunteer. Anyone interested in volunteering should contact David Silarski at littleto@member.aiche.org.

YP Happy Hour – Friday, October 3rd (Time & Location TBD)

The YPs are hosting a happy hour on Friday, October 3rd at 5pm. Stay tuned to your e-mail, the location is to be determined! Drinks and appetizers will be provided.

New Developments!: Fundamentals of Engineering (FE) Exam:

As of 2014 all Fundamentals of Engineering Exams are administered online. This means that exams are provided year-round and you no longer have to wait for a test date to roll around only to find you missed the registration deadline by two weeks! The test costs \$225 which includes your test center seat, the examination, and results release. Passing the FE exam is the first step for becoming a licensed Professional Engineer. For more information see the slides of this webinar provided by the Texas Board of Professional Engineers:

http://engineers.texas.gov/downloads/Webinar_FE_92014.pdf

PE Application Webinar:

The Texas Board of Professional Engineers (TBPE) has scheduled its first ever PE Application Webinar. They will cover all the ins and outs of the PE licensure process, details on the PE application, info about the PE exam, and what to do after you pass the exam and get your license. Go to <http://engineers.texas.gov/webinars.html> to register (space limited to 1,000 registrants).

2015 PE Review Course

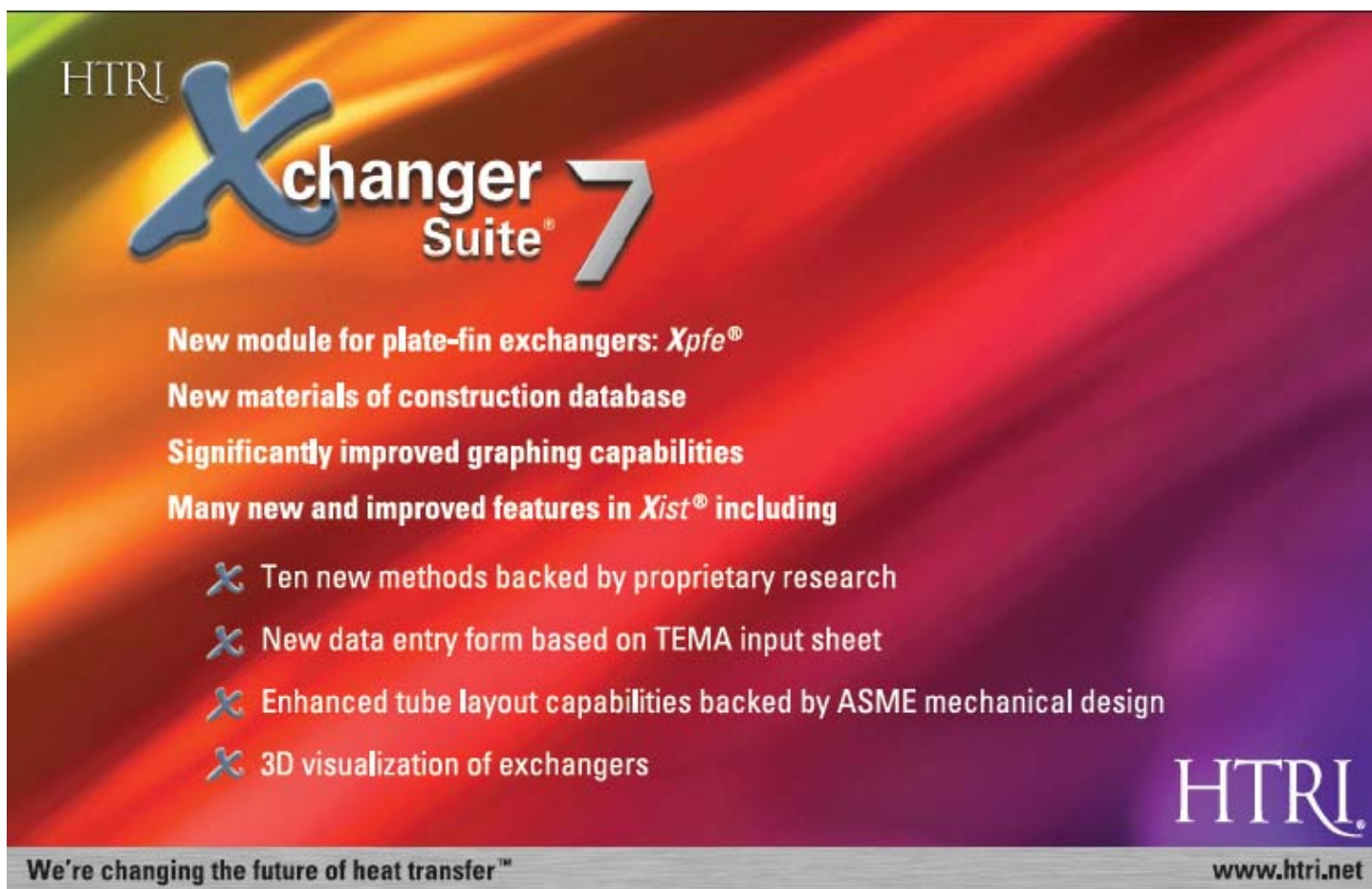
The STS-AIChE & the University of Houston will sponsor a Chemical Engineering Professional Engineering Review Course, Spring of 2015. Please look for more information in the next newsletter. If you are interested in taking the class, you can contact Dale Embry at dale.l.embry@member.aiche.org.

Call for volunteer official greeters

The STS is looking for two volunteer official greeters, one a young professional and one chronologically mature. Their goal is to greet first-time attendees (or members who haven't attended for a while) of monthly meetings, to help them feel comfortable and welcome, tell them a little about the STS and the meeting, and to introduce them, as needed, to our regular attendees. We are looking for volunteers who:

- frequently attend monthly meetings (arriving by would help)
- get along with most people
- are reasonably acquainted with the STS-AIChE and its members, though we can help with that
- will briefly point out a potential benefit or two of active involvement in STS-AIChE

Our monthly meetings occur on a Thursday after work, and may already have put in a 40+-hour week. An ideal volunteer would enjoy dealing with new attendees and would become energized rather than tired out by dealing with people they don't already know well.



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Call Volunteer for Sally Ride Science Festival

Four volunteers are still needed for this year's Sally Ride Science Festival, which will be held on Saturday, October 25, 2014 at Rice University. The student attendees are 4th to 8th grade students. Our volunteers will participate from about 10:30 am to 2:00 p.m. Several photos from last year are shown below. We already have half our volunteers, weeks in advance, so volunteers can network and won't be overworked. Our volunteers will take turns demonstrating a chemical engineering/chemistry experiment and counseling the students. For further information, contact Matt Kolodney [MKolodney1@comcast.net] or (713) 471-8956.] PE PDH certificate provided upon request.



Patrons, Thank you!

We would like to thank the following Fourteen (and one anonymous) patrons of the South Texas Section of the American Institute of Chemical Engineers for their continued support.

Name

Vic Edwards
Larry Chriswell
G Duane Vourazeris
James Turner
Dale Embry
Trevor Rice
Yurika Diaz
Gary Gildert
Temitope Ajala
Aiying Li
Tom Rehm
Carol Schmidt
Kelly Richardson
W. Paul Waits

Affiliation

Consultant
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Air Liquide Industrial U.S. LP
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Chemstations Inc
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S&B Engineers and Constructors, Ltd

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.

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.

PE PHD Hours Qualified!!

The Texas Board of Professional Engineers (TBPE) will allow up to 3 continuing education hours per year for K-12 outreach activities, but only under certain circumstances. The STS K-12 coordinator checked this with the TBPE staff in Austin. STS-AIChE sponsors K-12 outreach presentations to high school classes (career day for example), science fair judging, explaining engineering careers to teachers (who will pass the information on to students), sponsored tours for students and teachers at OTC, and one-on-one counseling of students. TBPE prefers a certificate from the sponsoring organization (such as STS) explaining what was done, stating the number of PDH hours, and certifying that the engineer actually participated. If you participate in an STS-AIChE K-12 outreach event and want PE PDH credit, the STS will provide the certificate.



Call For Volunteers:

In STS-AIChE, we have an opening for a K-12 volunteer. Instead of you having to reinvent the wheel, we can help you with any of the following:

- ☐ Advice on how to get started productively;
- ☐ The opportunity to attend K-12 events of other organizations, in order to learn how to conduct an AIChE K-12 outreach event;
- ☐ Networking opportunities to get contacts in local school systems;
- ☐ Assistance in recruiting STS volunteers;
- ☐ Conducting intersociety activities to help your programs reach critical mass;.
- ☐ Help in conceiving and developing a K-12 outreach program suitable for STS-AIChE to lead.
- ☐ Opportunities to develop and practice your interpersonal skills and to learn and practice leadership

STS Membership Committee Members seeking members who would be interested in some or all of the following:

- ☐ Identify the varied opportunities for STS volunteers
- ☐ Greet first-time attendees—help them feel welcome ☐ introduce them to other STS members
- ☐ Contact them periodically—encourage them to come back
- ☐ Encourage them to gradually get involved in STS
- ☐ Gradually get to know the new members first-timers and their interests
- ☐ Suggest STS volunteer activities that interest them & help them grow
- ☐ Encourage them to practice their leadership and their project management skills in service to the STS
- ☐ A great opportunity to develop your people skills & leadership skills by helping develop those capabilities in the STS and its members

Volunteer opportunity helping represent STS-AIChE at ECH (Engineering, Science, and Technology Council of Houston): Seeking a volunteer who would like to network with and learn from members of other professional societies, develop leadership skills, and help provide broader volunteer opportunities for STS members. Options include:

- ☐ Work with ECH councilors from other local engineering and science, societies, as well as officers of the other member societies;
- ☐ Learn how they run their organizations, and bring some of their ideas back to STS-AIChE
- ☐ Participate in intersociety workshops on technical issues that affect the Greater Houston Area
- ☐ Get involved in the organization of the regional science fair;
- ☐ If you are interested in a particular type of volunteer activity, we'll help you organize intersociety activities in that area
- ☐ If you're a YP, we can help you organize intersociety YP events that STS-AIChE doesn't have the critical mass to conduct on our own;
- ☐ Your learnings from ECH could be very helpful to you as a future manager at work or as a future leader in STS and AIChE

If you are interested, or would like further information, contact: Matt Kolodney, STS Volunteer Recruiter at (713-471-8956) or matthew.kolodney@tceq.state.tx.us.

South Texas Section to Initiate Company Liaison Program

The South Texas Section (STS) of AIChE is implementing a Company Liaison Program. Gary Gildert (STS Past Chair) and Carol Schmidt (STS Chair) are heading up the initiative.

The intent of the program is to have a liaison contact at companies in the region that employ a large group of Chemical Engineers, so that the liaison can pass on information on upcoming events, and encourage attendance at STS-AIChE Events.

This program will make it easier for Chemical Engineers to learn about meetings and events that may interest them, and by providing a “personal touch” and intra-company networking opportunity, overcome potential fears or objections to participating. The program will also provide a potential opportunity for employees to be recognized as leaders within their company.

Responsibilities and benefits are listed in the table below.

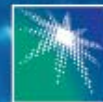
STS-AIChE	Liaison	Company
Responsibilities		
<ul style="list-style-type: none"> ✦ Provide meetings and events ✦ Maintain list of liaisons ✦ Send out special emails to liaisons ✦ Advertise program and recognize liaisons and companies 	<ul style="list-style-type: none"> ✦ Forward STS-prepared emails to department/group ✦ Create meeting invitations for coworkers ✦ Try to set up carpools where able ✦ Attend meetings where possible ✦ Interface with Company Management on STS activities and sponsorship opportunities (as applicable) ✦ Provide feedback to STS Officers on company 	<ul style="list-style-type: none"> ✦ Support the liaison ✦ Advertise where applicable
Benefits		
<ul style="list-style-type: none"> ✦ Higher attendance ✦ Better corporate relations 	<ul style="list-style-type: none"> ✦ Personalized Nametag for meetings ✦ Demonstrated leadership within company ✦ Increased networking ability within corporation 	<ul style="list-style-type: none"> ✦ Recognition at meetings ✦ PDHs / education for employees ✦ Networking/team building opportunities

There is no cost for liaisons or companies to participate. Participation as a liaison is completely voluntary, and companies can transition to a new liaison or end their participation at any time.

The intent is for the Past Chair to maintain the program on an ongoing basis.

For more information, or to sign up as your company's STS-AIChE liaison, contact **Gary Gildert** at (281) 433-4283 or sts-pastchair@aiche.org.

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South Texas Section AIChE

STS AIChE
P.O. Box 421373
Houston, TX 77242

2014 Officers and Contact Information

Officers

Chair Carol Schmidt
sts-chair@aiche.org

Chair Elect Kelly Richardson
sts-chairelect@aiche.org

Past Chair Gary Gildert
sts-pastchair@aiche.org

Secretary Katherine Leskin
sts-secretary@aiche.org

Treasurer Ven Pinjala
sts-treasurer@aiche.org

Executive Committee

Position 1: Education
Shane Tierling
sts-position1@aiche.org

Position 2: Outreach
Bill Epling
sts-position2@aiche.org

Position 3: Communications
Aiyng (Annie) Li
sts-position3@aiche.org

Position 4: Human Resources
Dale Embry
sts-position4@aiche.org

Volunteers

Arrangements: Paul Tripathi,
John Middleton

Membership: David Silarski

Young Professionals: Matt Johnson
(sts-yp@aiche.org)

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 2014

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

1. Increasing awareness
2. Improving relevancy of our programs
3. Improving our governance
4. Hospitality/Welcome/Social

— SUBSCRIBE/UNSUBSCRIBE INFORMATION —

Our newsletter subscription list is by invitation only.

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Unsubscribe: Click on the following link: [Unsubscribe](#). Your email address will be removed from the subscriber list.

— 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
 1-800-AIChE (1-800-242-4363)
 AIChExpress Service Center
3 Park Avenue
New York, New York 10016-5991

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.

Newsletter Editors

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Reserve your ad space! Contact:

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