

The South Texan



Monthly Meeting: March 5, 2015

Central Location: Brady's Landing ([8505 Cypress Street, Houston, TX 77012](http://8505CypressStreet.com))
Workshop starts at 5:30 pm, Social Hour at 6:00 pm, Dinner at 7:00 pm; pre-register at <http://sts.aiche.org/>

Meeting Webcast: We plan to webcast the meeting live on our new [YouTube channel](https://www.youtube.com/channel/UCv8v8v8v8v8v8v8v8v8v8v8).
More information at <http://sts.aiche.org/>

Dinner Presentation: From biomass to biopharmaceuticals; from fracking to farming; What are membrane separations and why are they important for future separations applications?

Speaker: Dr. Ranil Wickramasinghe, PhD, Ross E Martin Chair in Emerging Technologies, Department of Chemical Engineering, University of Arkansas

Abstract: As chemical engineers perhaps the best known membrane based separation process is reverse osmosis for desalination of salt water to produce drinking water. However membranes find many other applications, and membrane separations are commercially attractive. As the drive to develop more sustainable manufacturing processes increases, many new membrane based processes are being developed. The aims of this presentation are threefold.

1. Highlight the great breadth of commercialized membrane based separation processes.
2. Introduce some potential new membrane based separation processes e.g. for treating hydraulic fracturing flow back waters; producing fuels and chemicals from biomass
3. Highlight some of the challenges facing designers of new membranes for future separations.

Bio: Ranil has been active in AIChE for many years. He is a past-Chair and a current member of CEOC. He was the Meeting Program Chair of the 2014 Annual Meeting in San Francisco which was the largest annual meeting to date. He was very active in the Boston Local Section holding many positions including vice-president of the section and was on the General Arrangements Committee of the last AIChE summer meeting. He is a member of the AIChE Licensing and Professional Development Committee, and is a member Chemical Exam Committee of the National Council of Examiners for Engineering and Surveying (NCEES), the committee that writes questions for the Chemical Engineering PE Exam. He has also served on the Board of Directors of the North American Membrane Society. Prof Wickramasinghe's research interests are in membrane science and technology. Prof Wickramasinghe, P.E., obtained his Bachelor's and Master's degrees from the University of Melbourne, Australia, and PhD in chemical engineering from the University of Minnesota, all in Chemical Engineering. He worked for 5 years in the biotechnology/biomedical industry in the Boston area before joining the Department of Chemical Engineering at Colorado State University. He joined the Department of Chemical Engineering at the University of Arkansas in 2011 where he holds the Ross E Martin Chair in Emerging Technologies. He has published over 120 peer reviewed journal articles, several book chapters and is co-editor of a book on responsive membrane and materials.



Inside this issue:

Workshop	2
Meeting Details	3
Letter from the Chair	4
SPTC, SEFH, OTC	5
STS AIChE Honors	6-8
Young Professionals	9
Awards	13
2015 Meeting Details	15
Volunteer Opportunities	16
Company Liaison	18
Subscribe/Unsubscribe	19

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

Technology Workshop

Speaker: Gabriel Castaneda, Process Engineer, Gabchem Solutions

Liquefied Natural Gas (LNG) and Floating LNG, a technology review

Abstract: An overall summary of technologies and state of the art process design methods involved in LNG and FLNG will be presented. The design of LNG and FLNG processes is heavily influenced by safety considerations and regulations. A review of turbines, emissions, methods to comply with Federal safety regulations, mixed refrigerants, liquefaction process selection and FLNG process and safety design considerations will be performed.

Bio: Mr. Castaneda currently works for Gabchem Solutions as a process engineer. He has previously worked in engineering for EPC companies, Commonwealth Engineering, Propak Systems and Eastman Chemicals. He has process design experience in refining, upstream, oil sands, heavy oil, gas and polymer processes. In addition, he has a keen interest in the review, design and implementation of processes to reduce costs, increase production and improve returns. Mr. Castaneda holds a Masters in Business Administration and a Masters in Chemical Engineering from McGill University. He graduated with a Bachelor in Chemical Engineering from ITESM and he is a registered professional engineer in Canada and Texas.

Action Item Overload ?

We can help. ✓



Smith & Burgess
Process Safety Consulting

Meeting Registration Information

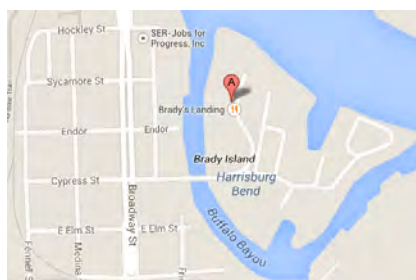
Membership in STS-AIChE is a bargain at \$20/year. If you wish to become a member, you may join at the registration desk at the meeting.

	Pre-registration		At the door	
	Members	Non-members	Members	Non-members
Regular/Retired	\$25	\$35	\$35	\$40
Student/Unemployed	\$15	\$20	\$25	\$30

NOTE: You have until 4 PM CST on March 4th, 2015 to pre-register online. After that, you will be required to pay the higher cost at the door.

Pre-registration for the main and Satellite meeting is now open through our website at: <http://sts.aiche.org/>.

Meeting Location— Brady's Landing



This month's meeting will be held at [Brady's Landing Restaurant \(8505 Cypress St, Houston, TX 77012\)](#). Double click on the map to the left for directions from your location. We plan to webcast the announcements and meeting live on our new [YouTube channel](#). For More details information, please check our website <http://sts.aiche.org/>.

STS-AIChE March 2015 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 7:30 pm with the main presentation at 8:00 pm.

The North Houston group is looking for a new venue for the simulcast meeting. The ideal venue should have:

- A capacity of 10-20 persons
- Ability to provide meals and drinks (including alcoholic beverages)
- A project and screen
- Easy access from major roads and freeways

Please contact Chris Tagoe at cctagoe@gmail.com for any suggestions.

March 2015 STS-AIChE Letter from the Chair – Kelly Richardson

Dear Members of the South Texas Section- American Institute of Chemical Engineers:

During the monthly meeting held on February 5, 2015 there was a lot of discussion regarding asphaltenes. Professor Walter G. Chapman the William W. Akers Chair Professor of Chemical and Biomolecular Engineering and the Associate Dean of Engineering for Energy Research at Rice University discussed the molecular basis of the SAFT approach. He discussed how the SAFT model could be applied to describe asphaltene phase behavior. Workshop speaker Doris Gonzalez, a Fluid Specialist from BP America discussed asphaltene issues in deepwater production. Safety of course is not to be forgotten! Sandra L. Sewell, a Fire Protection Engineer at Fire Risk & Safety Technologies, LLC, discussed fire water systems during the Process Safety Management workshop.



On March 5, 2015, Professor Ranil Wickramasinghe, P.E., from the Department of Chemical Engineering at University of Arkansas, who holds the Ross E. Martin Chair in Emerging Technologies, will present on membrane separation applications. Gabriel Castaneda, a Process Engineer at Gabchem Solutions, will present a workshop on liquefied natural gas (LNG) and floating LNG technology.

As you know STS-AIChE is more than just dinners and presentations. You never know who you may meet among the many individuals that attend our gatherings. The opportunities to get involved and gain new skills are plenty. As you have been reading our newsletters, surely you have noticed that the Young Professionals are speaking out on the benefits of their involvement **as they are featured in the newsletters. Inside this month's newsletter you will find various opportunities to volunteer.** For example, why not sign-up to volunteer to assist with the 2015 Off-shore Technology Conference?

Perhaps you may have missed a meeting. Well thanks to several wonderful volunteers and technology we have been able to make several of the past presentations available on our website. Information regarding upcoming meetings is available on our website.

To all our members and monthly meeting attendees thank you very much for supporting STS-AIChE. Thank you also to our speakers, sponsors, and volunteers. I look forward to seeing you all soon!

Sincerely,

A handwritten signature in blue ink that reads "K. Richardson".

Kelly Richardson
Chair, STS-AIChE

2015 AIChE Southwest Process Technology Conference



Save the Date: October 1-2, 2015

Venue: [Moody Gardens Hotel & Convention Center](#)

- October STS Dinner
- Openings for Sponsors, Exhibitors, Career Fair
- Speakers Needed

Preliminary information on the conference website: <http://www.aiche.org/conferences/southwest-process-technology-conference/2015>

Contact: Alan Rossiter at alan@rossiters.org or 713-823-3890

Volunteer @ the 2015 Science and Engineering Fair (2/28)

The [2015 Science and Engineering Fair](#) will be held on Saturday, February 28th at the University of Houston ([4800 Calhoun Rd, Houston, TX, 77004](#)). **Place Award** judges are needed on Saturday, February 28, 2015 from 8:00 am to noon and 1:00 pm to 5:00 pm. If you are interested in judging please complete the **Place Award** judge [online application](#). In addition, STS-AIChE traditionally grants several **Special Awards** at the Science and Engineering Fair. Judges are needed on Saturday, February 28, 2015 from 6:30 pm to 9:30 pm. STS-AIChE will reimburse parking fees for the Special Awards judging. If you are interested in judging for the Special Awards please contact Matt Kolodney by telephone (713-471-8956) or e-mail (mklodne@tceq.state.tx.us).

Volunteer for the 2015 Offshore Technology Conference

The [2015 Offshore Technology Conference](#) will be held again at [NRG Park](#) (Formerly Reliant Park -- Same Location, Different Name!) in Houston, Texas on the May 4 - 7, 2015 with a special "5th" day on May 8. The OTC Staff has promised to issue a call for volunteers in late January. Each volunteer will receive a Free OTC Registration and Reserved Parking with in/out privileges for entire OTC. Each volunteer is required to attend the **OTC Staff's Mandatory Orientation Meeting** that will held on the morning of May 1st at 10:00 AM in Room 600 of NRG Center and serve as an OTC Volunteer for 4 to 5 hours in either the Arrangements, Registration, and Student Tours Committees.

To volunteer, please visit the [STS website](#) and click on the article "[Volunteer for the 2015 Offshore Technology Conference \(OTC\): May 4-7, 2015 @ NRG Park](#)" and follow instructions in article.

For any questions contact **Tom Menn** (thomasmenn@SBCGlobal.net)!

STS-AIChE Honors

Ryan Stephens receives 2013 South Texas Section Special Service Award at February STS Monthly Dinner Meeting.



Ryan Stephens (*2nd from Left*) receives his 2013 South Texas Section – AIChE Special Service Award from 2015 STS Chair Kelly Richardson (*3rd from Left*). Flanking Kelly and Ryan are former AIChE Board of Directors Member Freeman Self (*L*) and STS Chair Elect Syamal Poddar (*R*). Ryan was recognized for his years of service as the STS Best Papers Judging Team Chair.



Ryan Stephens and his wife, Melissa, proudly display his 2013 STS Special Service Award

Two Recognized for 50 Years of AIChE Membership at February South Texas Section - AIChE Monthly Dinner Meeting.

Norman Carnahan and Gerald S Kazmierczak were recognized for 50 years of AIChE Membership at the February South Texas Section – AIChE Monthly Dinner Meeting at Pelazzio Banquet Halls.



Norman Carnahan (2nd from left) receives a Certificate recognizing Norman's 50 Years AIChE of Membership from 2015 STS Chair Kelly Richardson (L) and STS Chair Elect Syamal Poddar (R) while Norman's wife Lirio Quintero (3rd from left) looks on with approval.

Norman F. Carnahan --- Norman received his BSChE degree from the University of Houston in 1965 and worked for Dow Chemical Company's Louisiana Division until 1968. He then pursued graduate studies at The University of Oklahoma and received his MSChE and PhD ChE in 1971. Norman is a Professional Engineer in Texas as well as a Fellow of AIChE.

Norman has over 60 publications and his dissertation introduced the Carnahan-Starling equation of state that is used for fundamental studies of fluid physics and molecular thermodynamics. He completed post-doctoral fellowships at Rice University with Professors Tom Leland and Riki Kobayashi, and continued the association with Rice University as adjunct faculty, lecturer, and researcher. As adjunct faculty at the University of Houston, Norman taught courses in thermodynamics, process simulation & modeling, and petroleum fluid properties & phase behavior. He is a consultant to numerous companies and organizations on challenging problems involving applied thermodynamics and fundamentals of fluid physics, complex phase behavior, interfacial phenomena, process engineering and design, petroleum reservoir fluids, subsea production systems, flow assurance and rheology.

Norman first served the South Texas Section as a member of the Audit Committee for two Spring National AIChE Meetings, STS Executive Committee Position 1, STS Chair-Elect, STS Chair (1985), STS Past Chair, and has been a member of various OTC Conduct Committees since 1980 including serving as Co-chair of an OTC Registration Committee, as well as delivering two invited lectures on AIChE's behalf. Norman was the founding Chair of the Upstream Engineering and Flow Assurance Forum of AIChE and is currently AIChE's representative on (member of) the Offshore Technology Conference's Board of Directors.

Norman's wife is also a chemical engineer. They have two daughters and two grandchildren. He enjoys gardening, wood working, ham radio (Extra Class), history, genealogy, cooking, and grilling food. He also is a member of the Society of Petroleum Engineers.



Jerry Kazmierczak (*3rd from Left*) receives his Certificate recognizing Jerry's 50 Years AIChE of Membership from 2015 STS Chair Kelly Richardson (*2nd from Left*). Jerry and Kelly stand between Jerry's wife Virginia (*R*) and former AIChE Board of Directors Member Freeman Self (*L*).

Gerald S. Kazmierczak – Jerry received his BSChE from the University of Detroit in 1965 and his MSChE from The University at Buffalo (*State University of NY System*) in 1969. He has held Professional Engineering licenses in Michigan, New York, Ohio, West Virginia, and Texas. Jerry is a Senior Member of AIChE.

Jerry was an Army ROTC Member in College and served our Country as an Officer in the US Army Corps of Engineers retiring with the rank of Captain. He began his civilian employment with Hooker Chemical Company which was merged with Occidental Chemical Company from where he retired in 1999, after managing projects and engineering groups for 30 years. Finding retirement boring, Jerry joined CDI Corporation from which he retired from in 2012.

Jerry was a member of the Western New York Local Section of AIChE and held the following offices: Director, Secretary, Chair Elect, and Chair. He also served as vice-president of the Western New York Construction Users Council.

Jerry and his wife are the proud parents of two daughters and one son and are beaming over their two grandsons. **Jerry's hobbies include choir, "Do It Yourself", and travel/photography. He is an active volunteer at his Church and for Habitat for Humanity in Fort Bend County.**

Young Professionals



YP and STS members at the February STS Meeting as pictured on left.

The YPs had a successful Happy Hour at Boheme on January 30th as pictured on right.



Young Professionals

Support Houston Engineers Week Committee

WIN A SUITE FOR 14 PEOPLE AT A ROCKETS GAME!

Raffle Tickets are **\$20 each** or 6 for \$100. The drawing will be held Friday, **February 27, 2015** at the Engineer of the Year Gala. You don't have to be present to win! All proceeds benefit scholarships provided by the Houston Engineers Week Committee. To purchase tickets please contact Lisa Swanson (lisamswanson@hotmail.com) or Emily Jackson (e.jackson.ut@gmail.com).

AMACS Facility Tour on April 10, 2015



AMACS has graciously invited the YPs for a tour of their Houston facility on Friday (9am to 11 am) April 10, 2015.

AMACS is a manufacturer of separations and mass transfer products for the chemicals and oil & gas industries. AMACS designs and manufactures distillation trays and packing (random & structured) as well as mist eliminators and coalescers. AMACS is headquartered in Houston, Texas with manufacturing facilities in Houston and Monterrey, Mexico. Please visit AMACS website www.amacs.com for more details.

The seats are limited and are on a first-come-first-serve basis, so please RSVP to Chaitanya Gottimukkala at sts-yp@aiiche.org

YP Announcements

- Happy Hour: Celtic Gardens. 4 pm – 7pm, Mar 20, 2015. Appetizers and drinks are on us! ([2300 Louisiana, Houston, TX 77006](#))
 - YP Door Prize at the STS Monthly Meeting in March: Our very own Alan Rossiter has kindly sponsored a highly valuable Process Engineering text book: *Ludwig's Applied Design for Chemical and Petrochemical Plants*, Volume 3, 4th Edition. There will be a door prize for the YPs at the March meeting. Please show up and you may be the lucky winner!
-

Young Professionals

YP Giving—Austin Irvin

**Tell us about yourself.**

My name is Austin Irvin. I am the middle child in a family of seven, with two younger sisters and two older brothers. I have lived in Texas my whole life, and I even attended college here. In 2010 I completed my BS in chemical engineering (along with a minor in biology) at The University of Texas at Austin. During my stay I also heard the phrase "Austin from Austin" more times than I could count. Upon completing my degree I continued working for and co-managing the family business--a small medical clinic in Houston. Outside of work I enjoy watching movies, playing card and board games, swimming, and hanging out with friends, among many other things.

What do I like about my current job and what are your responsibilities?

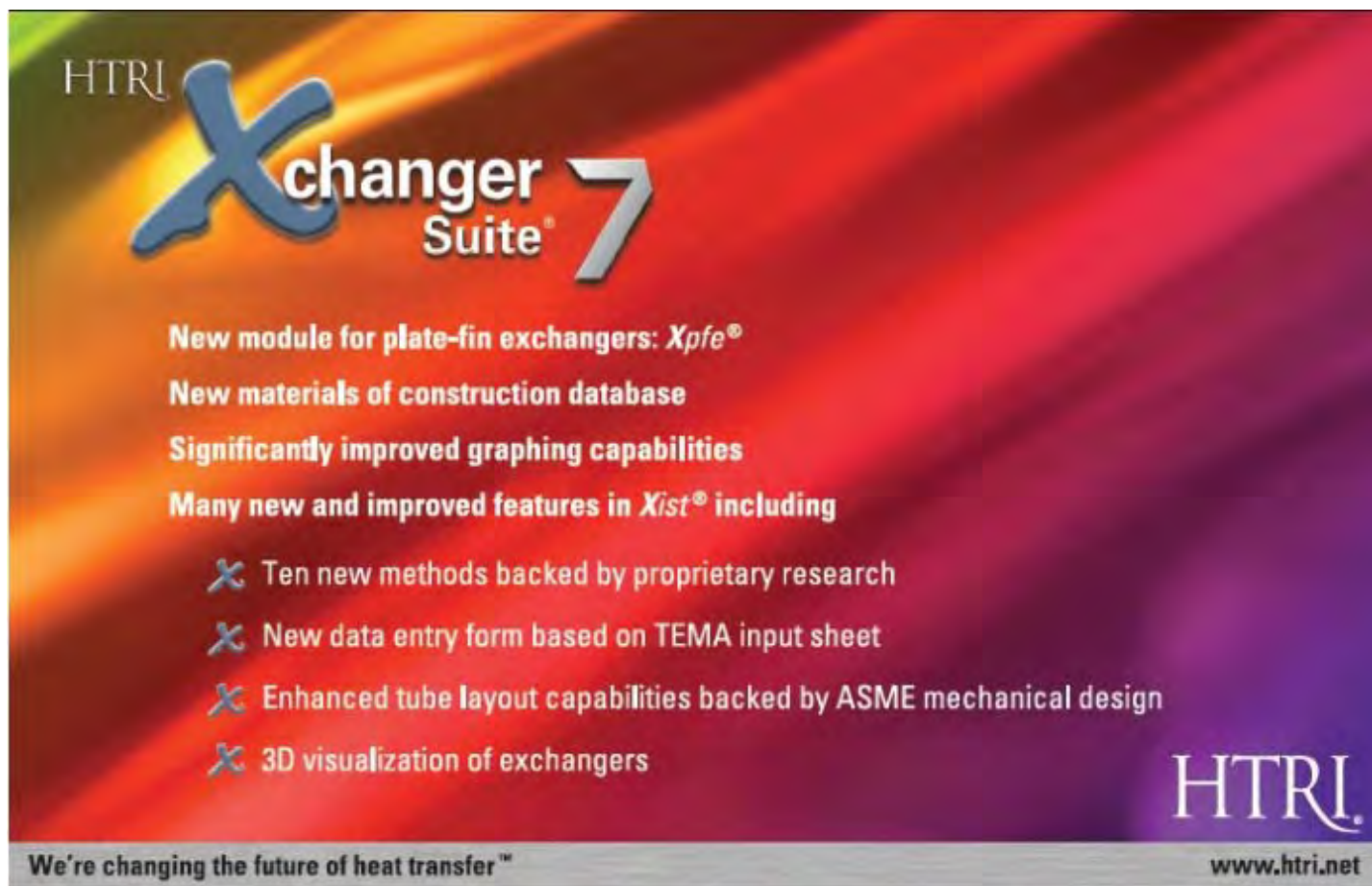
I currently work part-time at a small medical clinic in Houston which caters to individuals suffering chronic pain, as well as those looking to lose weight or even stop smoking. I run the front desk with my brother, where I handle patient check-in, payment, telephone inquiries, and record processing, among other tasks. Over the years I have also helped formulate revenue-increasing strategies and have aided in development of strategic business relationships with key pharmacies. After meeting hundreds of patients over the course of many years, I must say that the most enjoyable part is talking with everyone and hearing of their progress and overall improvement in quality of life since coming to our facility. It is a rewarding feeling to know that I have played a small part in their improved well-being.

How has STS and AIChE benefited you?

I am a new member of AIChE as of this year, and although I have not yet fully experienced everything it has to offer, I enjoyed my first monthly meeting and have already met a number of other young professionals. I plan to become more involved as the year progresses, so keep an eye out for me during volunteer events!

Any advice for soon-to-graduate ChE students?

My advice for future ChE graduates is to become an active member of your local AIChE section and learn from those around you. It is a great way to expand your network, learn from others, and make new friends!

The advertisement features a vibrant background with diagonal streaks of orange, red, and purple. In the top left corner, the HTRI logo is displayed. The main title, 'Xchanger Suite 7', is prominently shown in the upper center, with a large blue 'X' and a grey '7'. Below the title, four key features are listed in white text: 'New module for plate-fin exchangers: Xpfe®', 'New materials of construction database', 'Significantly improved graphing capabilities', and 'Many new and improved features in Xist® including'. A bulleted list follows, with each item preceded by a blue 'X' icon: 'Ten new methods backed by proprietary research', 'New data entry form based on TEMA input sheet', 'Enhanced tube layout capabilities backed by ASME mechanical design', and '3D visualization of exchangers'. The HTRI logo appears again in the bottom right corner. At the bottom left, the tagline 'We're changing the future of heat transfer™' is written, and the website 'www.htri.net' is at the bottom right.

HTRI

Xchanger Suite 7

New module for plate-fin exchangers: Xpfe®

New materials of construction database

Significantly improved graphing capabilities

Many new and improved features in Xist® including

- X Ten new methods backed by proprietary research**
- X New data entry form based on TEMA input sheet**
- X Enhanced tube layout capabilities backed by ASME mechanical design**
- X 3D visualization of exchangers**

HTRI

We're changing the future of heat transfer™

www.htri.net

It's Awards Time!

It is once again time to nominate an STS member for the 2014 South Texan Section 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://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/content/award-nominations>

If you prefer the printed form, print out the forms from the next two pages.

AICHe 2014 Annual Awards

South Texas Section – AICHe 2014 Annual Awards Nomination Form

THIS NOMINATION FORM MUST BE RECEIVED BY MAY 1, 2015 TO BE ACCEPTED!

Mail the completed form to:

Thomas E. Menn
P. O. Box 458
Pearland, Texas 77588-0548

Or

Ryan Stephens, PhD
Shell Global Solutions (US) Inc.
Westhollow Technology Center
3333 Highway 6 South
Houston, Texas 77082
Tel: 281-544-8447
Ryan.Stephens@Shell.com

Tel.: 281-485-3719

ThomasMenn@SBCGlobal.net

Following receipt of the submitted nomination, you will receive an e-mail from the STS Awards Committee confirming receipt of the nomination after AICHe & STS Membership is verified. All Best Paper Nominees not Members of AICHe or STS will be allowed to join either or both until May 31, 2015 in order to be eligible for the recognition due a STS – AICHe Member Best Paper Award Recipient.

NOTE: ONLY ONE PERSON OR PAPER MAY BE NOMINATED PER FORM!

NOMINATOR'S NAME: _____
ADDRESS: _____
STREET: _____
CITY: _____ STATE: _____
ZIP CODE: _____
TELEPHONE NUMBER: AC: _____ NO: _____
E-MAIL 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: AC: _____ NO: _____
E-MAIL ADDRESS: _____

TYPE OF NOMINATION: (PLEASE CHECK ONLY ONE SPACE BELOW.)

2014 STS Outstanding Young Professional Award (*Under age 35*) _____
2014 STS Distinguished Service Award (*Over age 35*) _____
2014 STS Best Fundamental Paper Award _____
2014 STS Best Applied Paper Award _____

For STS Outstanding Young Member or Distinguished Service Awards, please state the reason you feel that this person is deserving of this award back of this form and ignore the rest of the form. You may attach any supporting documentation to this form.

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

AICHE 2014 Annual Awards

Please enter the name of the 2014 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:

	<u>MEMBERSHIP</u>	
	<u>AICHE</u>	<u>STS</u>
Note: Only one author must be an STS Member.		
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 addition Authors on an attached sheet as necessary.]

For Best Paper Nominations, please provide following information:

NAME OF PUBLICATION: _____
 DATE OF PUBLICATION: _____
 VOLUME NO. (if known): _____ PAGES: _____ to _____

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

Following receipt of the submitted nomination, you will receive an e-mail from the STS Awards Committee confirming receipt of the nomination after AIChE & STS Membership is verified. All Best Paper Nominees not Members of AIChE or STS will be allowed to join either or both until May 31, 2015 in order to be eligible for the recognition due a STS – AIChE Member Best Paper Award Recipient.

STS-AIChE 2015 Monthly Dinner Meeting Schedule

Date	Location	Meeting Details (Speaker/Company/Topic)
January 8, 2015	Brady's Landing 8505 Cypress St Houston, TX 77012	George E. King / Apache Corporation / Hydraulic Fracturing
February 5, 2015	Pelazzio Banquet Hall 12121 Westheimer Rd Houston, TX 77077	Walter G. Chapman, Associate Dean of Engineering for Energy Research / Rice University / A Molecular Model for Upstream Engineering Applications: Phase Behavior, Interfacial Properties, and Microstructure
March 5, 2015	Brady's Landing 8505 Cypress St Houston, TX 77012	Professor Ranil Wickramasinghe, P.E. / Department of Chemical Engineering University of Arkansas, / From biomass to biopharmaceuticals; from fracking to farming; What are membrane separations and why are they important for future separations applications?
April 9, 2015	Pelazzio Banquet Hall 12121 Westheimer Rd Houston, TX 77077	George Hartmann / Texas Board of Professional Engr / Ethics-Joint Meeting with IEEE
May 7, 2015	Brady's Landing 8505 Cypress St Houston, TX 77012	Energy Forum - Joint Meeting with Texas Industries of the Future Center for Energy and Environmental Resources, The University of Texas at Austin / Christine Ehlig-Economides, William C. Miller Chair honoring Charles V. Fitzpatrick, University of Houston / Topic: Has Unconventional become Conventional?
September 10, 2015	Pelazzio Banquet Hall 12121 Westheimer Rd Houston, TX 77077	Joint Meeting with Southwest Catalysis Society
October 1 & 2, 2015	Moody Gardens One Hope Blvd. Galveston, TX 77554	Southwest Process Technology Conference
November 5, 2015	Brady's Landing 8505 Cypress St Houston, TX 77012	Water Forum
December 3, 2015	To be determined	December Social
*Meeting details are subject to change.		

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: <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: <https://sefhouston.org/> 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 PDH 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 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.**

More Volunteer Opportunities

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 ◆ PDH credits/technical education 	<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



South Texas Section AIChE

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

2015 Officers and Contact Information

Officers

Chair	Kelly Richardson sts-chair@aiche.org
Chair Elect	Syamal Poddar sts-chairelect@aiche.org
Past Chair	Carol Schmidt sts-pastchair@aiche.org
Secretary	Katherine Leskin sts-secretary@aiche.org
Treasurer	Carlos Salamanca 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

Linton Wong
sts-position3@aiche.org

Position 4: Human Resources

Dale Embry
sts-position4@aiche.org

Volunteers

Arrangements:	Paul Tripathi John Middleton
Awards:	Tom Menn
Membership:	David Silarski
Young Professionals:	Chaitanya Gottimukkala (sts-yp@aiche.org)

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 2015

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.

Subscribe: Click on the following link: [Subscribe](#).

Unsubscribe: Click on the following link: [Unsubscribe](#). Your e-mail 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-AIChemE (1-800-242-4363)



AIChExpress Service Center
3 Park Avenue
New York, NY 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

Linton Wong Baker Hughes 12645 West Airport Blvd Sugar Land, TX 77478 (832) 600-0144 linton.wong@bakerhughes.com	Shubharthi Barua Chicago Bridge & Iron Co. 5850 Rogerdale Rd Houston, TX 77072 (979) 402-1508 shubharthi.barua@gmail.com
--	--

Submit an article! Contact:

Matt Kolodney
TCEQ
5425 Polk Avenue, Suite H
Houston, TX 77023-1486
(713) 767-3752
mkolodne@tceq.state.tx.us

Reserve your ad space! Contact:

Teresa Jurgens-Kowal
Global NP Solutions, LLC
2323 Clear Lake City Blvd,
#180 Suite 177
Houston, TX 77062
(281) 280-8717
Teresa@globalnpsolutions.com

