

# *The South Texan*

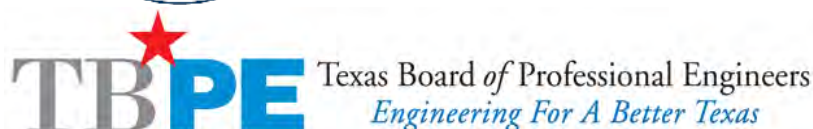


Monthly Meeting: April 9, 2015

**Central Location:** Pelazzio Banquet Hall ([12121 Westheimer, Houston, TX 77077](http://12121.Westheimer.Houston.TX.77077))  
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](http://sts.aiche.org/).  
More information at <http://sts.aiche.org/>

## **Dinner Presentation: Texas Board of Professional Engineers – Professional Practice Update / Ethics (Joint Meeting with IEEE)**



**Speaker:** Mr. George Hartmann, P.E., Licensing Specialist

**Abstract:** The meeting will focus on the following:

- updates on Board rule changes within the last year
- general updates on initiatives the Board is working on
- information on enforcement statistics
- the engineering Code of Conduct

**Bio:** George P. Hartmann, P.E. is a Licensing Project Manager at the Texas Board of Professional Engineers in Austin. He has been with the Board for eleven years. Previously he worked with the Texas Commission on Environmental Quality, and predecessor agencies. He has also worked with Huntsman Corporation; and two environmental engineering consulting firms. He is a 1981 graduate of Manhattan College with a Bachelor's degree in chemical engineering.



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

### Management Workshop

**Speaker:** Teresa Jurgens-Kowal, PhD, PE

#### Brief Overview of Project Management Principles

**Abstract:** Whether you are a supervisor or team leader new to project management, or an experienced manager, you will want to refresh your understanding of the important tools and techniques that lead to project success. In this brief overview of project management principles, we will contrast the work of a project manager with a functional manager and describe key skills for success as a project leader. We will discuss stakeholder identification, effective communication, and transformational leadership as well as a project management planning framework.

**Bio:** Teresa Jurgens-Kowal, PhD, PE, is an inspired coach and mentor, guiding strategy and innovation development. As a trusted advisor, Teresa provides guidance for candidates of the New Product Development Professional (NPDP) and Project Management Professional (PMP®) certifications. Since 2009, dozens of candidates have successfully completed their NPDP certification requirements with her coaching and mentoring. Teresa teaches project management at Colorado Technical University-Online and process technology at San Jacinto College. She enjoys scrapbooking and bicycling in her free time.

### UEFA Workshop

**Speaker:** Elham Mahmoodaghdam, Reservoir Fluids Project Engineer

#### Advances in Flow Assurance Fluid Characterization

**Abstract:** Precipitation and subsequent deposition of organic solids such as asphaltenes is one of the major challenges in wellbore, production lines, transportation and downstream processing. These challenges can significantly influence the economy of oil producers by increasing operational and remediation costs as well as decreasing and halting production. The large capital and operating costs associated with prevention and remediation of deposits has created the need for improved techniques to assess the potential of asphaltene precipitation and deposition, in order to produce oil more economically while still providing operations with minimal risks.

Laboratory analysis provides key insights into the precipitation and depositional characteristics of reservoir fluids. In this presentation, advances in the area of flow assurance fluid characterization including the application of recently developed measurement technology for wax and asphaltene deposition under realistic field conditions will be discussed. Asphaltene deposition measurements using a flow-through live oil deposition cell and the application of the data obtained to asphaltene inhibitor optimization will be presented. Finally, the group discussion will be encouraged to identify the gaps in the area of fluid sampling and flow assurance fluid characterization.

**Bio:** Elham Mahmoodaghdam is a Schlumberger's Reservoir Fluids project engineer. She received an MSc degree in Chemical Engineering from the University of Calgary in Canada and worked as a Research Engineer in Gas Hydrate research Group in the University of Calgary and the Petroleum Thermodynamic research group in the University of Alberta. She has 14 years of experience in the oil industry focusing on flow assurance. Elham is currently working as Senior Project Engineer at Schlumberger Testing segment, managing flow assurance fluid analysis and also providing technical support to Schlumberger's flow assurance characterization globally. Elham was Schlumberger's Fluid's Community leader in 2014.

Her expertise includes fluid characterization and assessing the risk associated with flow assurance. She worked on a wide spectrum of reservoirs, ranging from heavy and volatile oil to gas-condensate reservoirs.

## Workshops (continued)

### PE/PO Workshop

**Speaker: Vincent W. Wedelich, PE, MBA**

#### **Master Electrical Plans and What a Good Electrical System Looks Like**

**Abstract:** Applicable to Refineries and Petrochemical facilities. Review of what an Electrical System Master Plan Study is: to identify system improvements related to reliability, safety and maintainability for projected load expansion at the refinery within the next 5 to 20 years. This master plan and the ideas presented were geared towards creating a good foundation for the future of the electrical system primarily through upgrade and replacement projects. Illustrate what a good electrical system looks like.

**Bio:** Mr. Wedelich is an Associate level project manager and electrical engineer in the Houston T&D Power Distribution and Control Department at Burns & McDonnell Engineering Co, Inc. His responsibilities include Power System Design and Project Management for the Industrial and Refinery Markets.

## Action Item Overload ?

We can help. ✓



Topic 1 of 9

**Smith & Burgess**  
Process Safety Consulting

## Meeting Registration Information

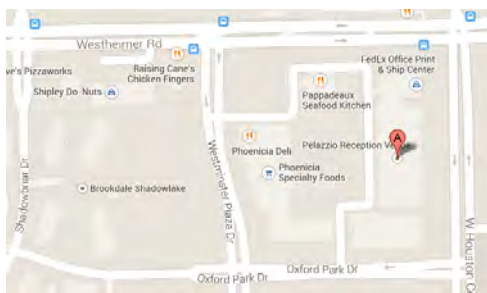
Membership in STS-AIChE is a bargain at \$20/year. If you wish to become a member, you may join at the registration desk at the meeting.

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

**NOTE:** You have until 4 PM CST on April 8, 2015 to pre-register online. After that, you will be required to pay the higher cost.

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

## Meeting Location — Pelazzio Banquet Hall



This month's meeting will be held at Pelazzio Banquet Hall ([12121 Westheimer, Houston, TX 77077](http://12121WestheimerHoustonTX77077)). 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 April 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](mailto:cctagoe@gmail.com) for any suggestions.

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## April 2015 STS-AIChE Letter from the Chair – Kelly Richardson

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

I am excited with each passing month as we continue to come together to discuss technical topics, enjoy dinner, and to have fun. As a leader for the organization I find it worthy to reflect on what this journey is all about. In March, we listened to a very informative presentation on membrane separation applications given by Professor Ranil Wickramasinghe. Earlier in the year, presentations were given on hydraulic fracturing and modeling of phase behavior. Webcasts have been made available of past meetings as we strive to **advance the development and exchange of relevant knowledge**.



As an organization it is part of our mission to **uphold and advance the profession's standards, ethics and diversity**. On Thursday, April 9, 2015 we will be meeting along with the Houston Section- Institute of Electrical and Electronics Engineers (IEEE) at Pelazzio ([12121 Westheimer Road, Houston, TX 77077](#)). We are pleased to have George P. Hartmann, PE, a Licensing Project Manager at the Texas Board of Professional Engineers (TBPE) speak on *Professional Practice Updates/Ethics* following dinner.

We have three workshops planned. Teresa Jurgens-Kowal, PhD, PE, an Advisor for the New Product Development Professional (NPDP) and Project Management Professional (PMP®) will speak on the topic of *Project Management Principles*. Elham Mahmoodaghdam, Reservoir Fluids Project Engineer at Schlumberger will discuss *Advances in Flow Assurance Fluid Characterization*. Vincent W. Wedelich, PE, MBA, Project Manager- Power Distribution & Controls at Burns & McDonnell Engineering Co, Inc., will educate us on *Master Electrical Plans and What a Good Electrical System Looks Like*.

We will continue to **encourage other engineering and scientific professionals to participate in AIChE activities**. In May, we will have the annual Energy Forum, planned with the help of Texas Industries of the Future.

Several STS-AIChE members have signed-up to volunteer for the upcoming Offshore Technology Conference. Planning is also underway by the Young Professionals to begin visiting the local Universities to speak with the students about Chemical Engineering. It is clear to me that we have been able to **stimulate collaborative efforts among industry, universities, government, and professional societies**. Thank you STS-AIChE members for your involvement as we fulfill the mission of AIChE!

Sincerely,

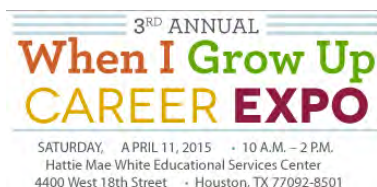
A handwritten signature in blue ink that reads "K. Richardson".

Kelly Richardson  
Chair, STS-AIChE



## K-12 Outreach Event: Volunteer for the 3<sup>rd</sup> Annual *When I Grow Up* Career Expo

Make a difference in a kid's life! On **April 11, 2015**, Houston Independent School District (HISD) will hold its annual career event, "[When I Grow Up](#)." The STS-AIChE will have a table to do demonstrations and/or displays and advise interested students, parents, and teachers. It will be held at the Hattie Mae White Educational Service Center ([4400 W 18<sup>th</sup> St, Houston, TX 77092](#)) from 10:00AM to 2:00PM. If you would be interested in participating, or you have suggestions for demonstrations or displays, please contact the STS event coordinator, Matt Kolodney at 713-471-8956. More information can be found on the [HISD website](#).



## K-12 Outreach Event: Boy Scout Fair

On Saturday, **April 18, 2015**, the Sam Houston Council (Greater Houston Area) of the Boy Scouts of America will hold its annual [Boy Scout Fair](#). The STS-AIChE will have a table with demonstrations and/or exhibits, as well as providing brief advisory talks to scouts, parents, teachers, etc. We have done this several times in the past, and it worked well. The event will be from 10:00AM to 4:00PM at [NRG Arena](#). If you would like to participate, or if you have helpful suggestions, please call the STS event coordinator, Matt Kolodney at 713-471-8956, or e-mail him at [MKolodney1@comcast.net](mailto:MKolodney1@comcast.net).



**BOY SCOUTS OF AMERICA®**  
SAM HOUSTON AREA COUNCIL  
JOURNEY TO EXCELLENCE GOLD AWARD

## 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 be 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](mailto:thomasmenn@SBCGlobal.net)).



## 7<sup>th</sup> Southwest Process Technology Conference

**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](#).

**Contact:** Alan Rossiter at [alan@rossiters.org](mailto:alan@rossiters.org) or 713-823-3890



Southwest Process Technology Conference

## STS-AIChE Honors

### Three South Texas Section Members Recognized For 50 Years of AIChE Membership

Three STS-AIChE Members were recognized for achieving 50 years of AIChE Membership in 2015 at the March 5, 2015 Monthly STS Dinner Meeting at Brady's Landing. While their Mini-Bio's were read, 2014 STS Chair Kelly Richardson presented Certificates recognizing 50 Years of AIChE Membership to Wayne Friesell, Martin Van Sickels, and Paul Whelchel.



*Wayne Friesell (C) displays his Certificate Recognizing his 50 Years of AIChE Membership. Also in the photo are to the left Kelly Richardson (2015 STS Chair) and Syamal Poddar (STS Chair-Elect).*

**James Wayne Friesell** – Wayne received his BSChE from Pennsylvania State University in 1958 and an MBA from University of Houston in 1969. Wayne is a Senior Member of AIChE and is registered as a Professional Engineer in Texas.

Wayne began his chemical engineering career with Shell Chemical in 1958. He then joined Stauffer Chemical to design, build, and operate the new Texas Alkyls plant. Wayne then joined Petro-Tex and became part of the neoprene plant project team. He then became employed with MW Kellogg where He managed the Corporate Proposal group as well as managed various projects worldwide. Finally, Wayne joined Calgon Carbon (until retirement) as a technical Sales representative for development of projects using activated carbon for process and environmental applications. Currently he is active as an independent project and technical consultant as well as representing a small firm, TIGG Corp, that provides activated carbon and services, manufactures pressure vessels and media based equipment and systems for air, water, process stream purification and pollution control.

Wayne has written and presented 10 technical papers. He and his wife Susan are the proud parents of one son. Wayne has a variety of interests including all types of music, following progress in sciences and technologies - especially physics and chemistry, and keeping up with current events and economics of the world.



*Martin Van Sickels (C) displays his Certificate recognizing his 50 Years of AIChE while being congratulated by 2015 STS Chair Kelly Richardson (L) while STS Chair-Elect Syamal Poddar (R) assists.*

**Martin J. Van Sickels --** Martin graduated from The City College of New York (CCNY) with a BSChE degree in 1965. He received his MSChE degree from New York University in 1966. Martin was a member of the CCNY AIChE Student Chapter. He is a Senior Member of AIChE and is a Professional Engineer registered in Alabama and Texas.

Martin began his chemical engineering career with The Chemical Construction Corporation (NYC) as a process engineer. In 1967, he became employed by Haldor Topsoe, Inc. serving as a process engineer and senior process engineer. Martin joined the J.F. Pritchard Company in 1971 where he was a process and program manager. In 1974, he began a 30-year career with the Rust Engineering Company in Birmingham, AL and its successor companies Rust International Corporation, Kellogg Rust Synfuels Inc., The M.W. Kellogg Company and Kellogg Brown and Root (KBR), Inc. At Rust, prior to transferring to Houston in 1983 to become V.P. of Projects and Proposals for Kellogg Rust Synfuels, he was Manager of Process Engineering and Sales for the Chemicals & Synthetic Fuels group. He subsequently served in various other Executive Management positions covering a wide range of managerial, technical and commercial assignments. Prior to early retirement from KBR in 2004, he was a member of the Executive Committee and Vice President and Chief Technology Officer responsible for the management, marketing, licensing and development of all KBR licensed and special execution technologies.

Upon retiring early, Martin formed MVS Consulting LLC through which he is actively providing a wide range of services to clients in the process, energy, engineering and construction (E&C) industries, and the U.S. Department of Energy. Since 2006, he has served as the executive director and member of the board of the Rice Global E&C Forum.

Martin is also a Member of the American Chemical Society and the Licensing Executives Society (USA), Inc. He has authored and co-authored 20 papers and 4 report chapters on a wide range of topics related to the process and contracting industry.

Martin and his wife Marie are the proud parents of a daughter and a son. His hobbies are computer stuff, occasional bicycling, and volunteer work. Martin's volunteer activities include serving as a member of the Energy Review Committee of the Texas Gulf Coast Regional Center for Innovation and Commercialization (RCIC) for the Texas Energy Fund, member of the Houston Technology Center's Energy Advisors Committee, and webmaster for the Greater Houston CCNY Alumni Chapter.





*Paul Whelchel (C) displays his Certificate recognizing his 50 years of AIChE Membership. Paul is assisted by 2015 STS Chair Kelly Richardson (L) and STS Chair-Elect Syamal Poddar (R).*

**Paul H. Whelchel** – Paul received his BSChE in 1964 and his MSChE in 1966 from Georgia Institute of Technology and an MBA from NY University in 1975. He was involved in College ROTC and was an AIChE Student Chapter Member. Paul is Senior Member of AIChE and was registered as a Professional Engineer in New Jersey.

Paul began his chemical engineering career with M W Kellogg in 1966 where he remained until 1980. From 1980 to 1987 he held a sales position with C F Braun. Paul then joined Brown and Root where he was employed until 1992 which was followed by stint with Stone and Webster which ended in 1999. He then joined Aggreko in 2000 and retired in 2014.

Paul has written and presented a technical paper. He and his wife Connie are the proud parents of three sons and one daughter and positively beaming over their six granddaughters and one grandson. Paul's retirement pursuits are wood-working and photography.

## Season Patrons

Thank you to all of our Season Patrons for supporting STS-AICHe. The Season Patron program offers the convenience of a single sign-up and single payment for the technical monthly dinner meetings. Season patrons will also get priority sign-up for all special events. The next opportunity to become a Season Patron will be offered in September before the dinner meeting held on September 10, 2015.

Temitope Ajala  
Victor Edwards  
Ginder Hendrickson  
George Redd  
Carol Schmidt

Lawrence Chriswell  
Dale Embry  
Aiying Li  
Thomas Rehm  
James Turner

Mark Demark  
Gus Georgetown  
Thomas E. Menn  
Trevor Rice  
George Vourazeris

Yurika Diaz  
Gary Gildert  
Syamal Poddar  
Kelly Richardson  
William Waits

## SEFH STS-AICHe Special Awards & Judges

Congratulations to the following STS-AICHe Special Award Recipients for the 2015 Science Engineering Fair of Houston (SEFH)!

Grade	Name	Project
Senior-1	<b>Zoha Khan</b>	Membrane-Free Desalination
Senior-2	<b>Michael Calizzi</b>	Factors Affecting Algal Biodiesel Extraction II
9 <sup>th</sup> Grade	<b>Nicholas Bracci</b>	Fibers and Expansive Additives in Concrete
Junior	<b>Sophia Webber</b>	Recovery of Heat Energy



Special thanks to the SEFH STS-AICHe Special Award & Place Award judges listed below.

Antonio Cardenas  
Matt Kolodney  
Dave Mitchell  
Tom Rehm  
Cliff Woodward

David Ford  
Chen Lin  
Gianna Pietrangeli  
Carol Schmidt

Charlie Heger  
John Middleton  
Gary Reeves  
Paul Waits



## Scholarship Winners

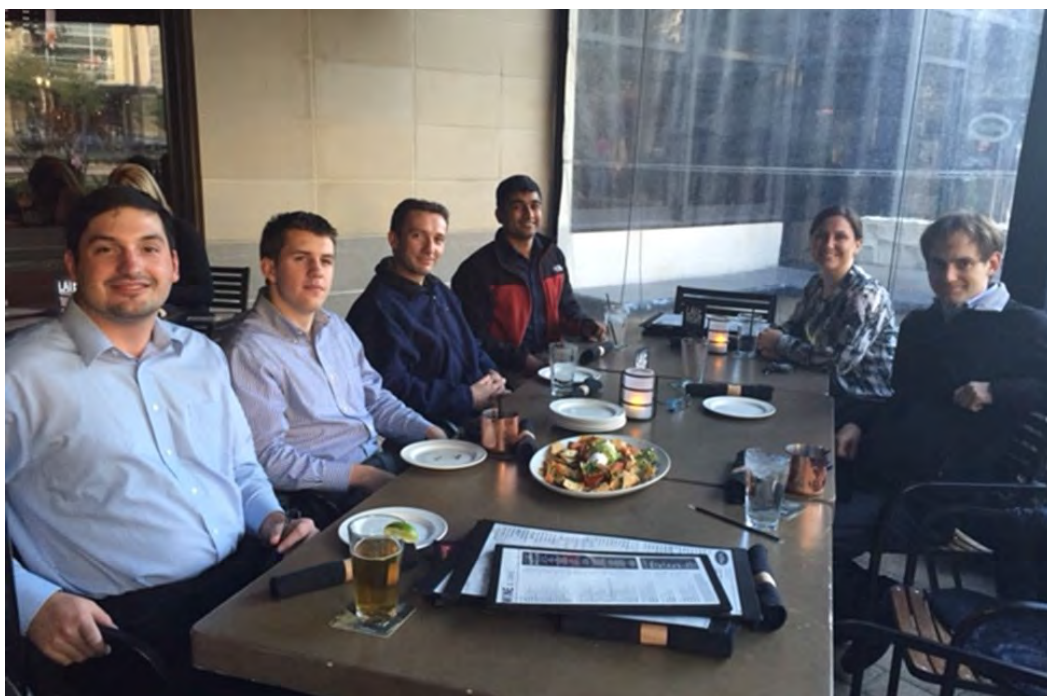
The STS-AICHe annually awards scholarships to students at several local universities. Recipients are selected by the academic advisors at the university. The STS-AICHe is delighted to announce the 2015 Scholarship recipients.

Prairie View A&M University	Texas A&M U	Rice University	University of Houston
Eboni Howard	Justin Garner	Victoria Brooks	Nora Elghetany
Tralon Jackson	David Quiroz	Gabriella Guevara	Sheli Mauck
Chaika Opara	Abbey Elizabeth Reisz	William Kasper	Jami Summey-Rice

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## Young Professionals

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The YPs had a successful Happy Hour at Yard House on February 19<sup>th</sup>.

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## AMACS Facility Tour on April 10, 2015

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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](http://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@aiche.org](mailto:sts-yp@aiche.org)

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## YP Announcements

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OTC Bag Stuffing Party - April 25<sup>th</sup>: YPs are excited to announce the annual OTC bag stuffing party on Saturday, April 25<sup>th</sup>. It will be from 10AM to 2PM. We will have some fun and food as well.

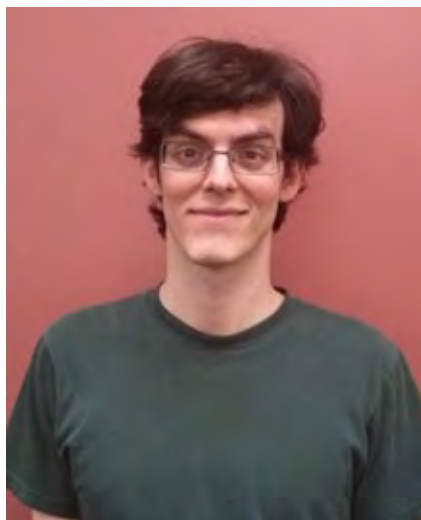
Please mark your calendars and RSVP to Chaitanya Gottimukkala at [sts-yp@aiche.org](mailto:sts-yp@aiche.org) for details about location.

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## Young Professionals

### YP of the Month—Trevor Rice

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**Tell us about yourself.**

My name's Trevor Rice. I've lived in Texas all my life - grew up in Dallas before moving to Houston to attend Rice University. I graduated from Rice in 2011 with my B.S. in Chemical Engineering and went to work as a software engineer for Chemstations. In my free time, I like to explore Houston's vast array of restaurants, play guitar, and curl.

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

By far, my favorite part is the combination of chemical engineering and software into a single job. I've always enjoyed the subject of chemical engineering, but the openness, ease of creation, and community of software makes it a joy to work with. Additionally, Chemstations is really great at supporting its employees' participation in AIChE and STS, which has allowed me to help out with the STS streaming and YP website.

Currently, most of my responsibility is centered around developing new features for our software product CHEMCAD. Usually, that means identifying some area of the software that needs improvement, designing a solution, and implementing the code to make it happen. It may not sound all that interesting, but designing a good interface requires a lot of thought as to user expectations, requirements, the type of data to display, and a hint of artistic skill.

**How has STS and AIChE benefited you?**

Since I work in software, it's a bit difficult to imagine the physical equivalent of what we model. STS's plant tours are great for that problem, since they let me see how an actual plant functions and what the equipment really looks like. Likewise, AIChE's conferences and talks give me insight into what our users might need or expect when it comes to thermodynamic or unit operation models. Both experiences help contribute greatly to my understanding of how to create a good user experience in our software!

**Any advice for soon-to-graduate ChE students?**

Find a niche and become an expert – that makes you valuable.

Learn to program! Software is becoming more and more ubiquitous; make sure you're at least familiar with it. Plus, automating simple, repetitive tasks can save you from monotony!

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**When you need  
accurate heat  
exchanger  
performance  
prediction,  
you can count  
on HTRI.**

Heat Transfer Research, Inc. (HTRI) began its real-world thermal process research more than 50 years ago. These proprietary data and countless studies using industrially relevant research rigs led to the development of *Xchanger Suite 7* – its acclaimed heat exchanger design, rating, and simulation software. To ensure your equipment meets your requirements, *Xchanger Suite* provides nine specific modules that offer access to the most advanced performance prediction methods available.

**HTRI**  
www.htri.net

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## It's Awards Time!

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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.aiiche.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.aiiche.org/content/award-nominations>

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

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**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](mailto:Ryan.Stephens@Shell.com)

Tel.: 281-485-3719

[ThomasMenn@SBCGlobal.net](mailto: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>
<b>Note:</b> 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	<b>Brady's Landing</b> 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 Micro-structure
March 5, 2015	<b>Brady's Landing</b> 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	<b>Brady's Landing</b> 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	<b>Brady's Landing</b> 8505 Cypress St Houston, TX 77012	Water Forum
December 3, 2015	To be determined	December Social
*Meeting details are subject to change.		



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## K12 Volunteer Opportunities

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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](mailto: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](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](mailto: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.

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## Call for Volunteers Official Greeters

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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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## More Volunteer Opportunities

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**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](mailto:matthew.kolodney@tceq.state.tx.us)

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## South Texas Section to Initiate Company Liaison Program

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

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 **Carol Schmidt** at [sts-pastchair@aiche.org](mailto:sts-pastchair@aiche.org)



## South Texas Section AICHE

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

### 2015 Officers and Contact Information

#### Officers

<b>Chair</b>	Kelly Richardson sts-chair@aiche.org
<b>Chair Elect</b>	Syamal Poddar sts-chairelect@aiche.org
<b>Past Chair</b>	Carol Schmidt sts-pastchair@aiche.org
<b>Secretary</b>	Katherine Leskin sts-secretary@aiche.org
<b>Treasurer</b>	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:** Chen Lin  
John Middleton  
Paul Tripathi

**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**

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### —MAINTAIN YOUR CONTACT INFORMATION WITH STS—

Maintain your contact information with the South Texas Section using the online community:

<http://www3.aiche.org/MemberMail/redirect.aspx>

Contact the New York office for PERMANENT ADDRESS CORRECTIONS:



[xpress@aiche.org](mailto:xpress@aiche.org)



1-800-AICHEM (1-800-242-4363)



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## The South Texan Newsletter Crew

WHAT DO YOU THINK OF THE NEWSLETTER? We want to know!  
Contact us at [sts-newsletter@aiche.org](mailto:sts-newsletter@aiche.org) with comments, questions, suggestions, and ideas for next month.

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