



Monthly Meeting January 9th, 2014

Central Location: Pelazzio Banquet Hall, Houston (Social Hour at 6PM, Dinner at 7 PM)

Satellite Location: Cilantro's Mexican Grill, (Sawdust Rd location in The Woodlands) Social Hour at 6:15 PM; Dinner at 7 PM, Technical program at 7:45 PM

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Topic: Discovering New Paradigms in Zeolite Synthesis through Rational Design
Dinner Speaker: Jeffrey D. Rimer

Abstract: Crystal engineering is a broad area of research that focuses on methods of designing and/or optimizing materials for diverse applications in catalysis spanning energy to chemicals production. The ability to selectively control zeolite synthesis to achieve desired physicochemical properties relies upon detailed understandings of the thermodynamic and kinetic factors regulating crystal nucleation and growth, which are generally lacking. Research efforts that collectively aim to design innovative approaches to tailor zeolite crystallization and exploit unique structure-performance relationships have the potential to produce materials with superior properties beyond what is achievable by conventional routes. In this talk, I will highlight critical challenges in zeolite synthesis. I will discuss how our group is using zeolite growth modifiers (ZGMs) to selectively tune crystal size, morphology, and surface architecture; and the distinctive methods we use to characterize their efficacy at macroscopic to molecular scales. I will also introduce a new platform for zeolite synthesis based on the construction of kinetic phase diagrams that identify optimal synthesis parameters for selectively tailoring crystal selection, purity, and composition. These studies emphasize the need for an improved molecular-level understanding of zeolite nucleation and crystal growth. To this end, we have pioneered the use of *in situ* atomic force microscopy (AFM) to capture time-resolved images of growing zeolite surfaces in real time. This novel technique permits the first *in situ* characterization of zeolite growth with the capability of resolving surface dynamics at the length and timescales necessary to elucidate mechanistic pathways of crystallization.

Bio: Jeffrey Rimer is the Ernest J. and Barbara M. Henley Assistant Professor of Chemical Engineering at the University of Houston. Rimer received his Ph.D. in Chemical Engineering from the University of Delaware in 2006. Prior to joining the Department of Chemical and Biomolecular Engineering at Houston in 2009, he spent two years as a postdoctoral fellow at New York University's Molecular Design Institute within the Department of Chemistry. Rimer's research in the area of crystal engineering focuses on the rational design of materials with specific applications in the synthesis of microporous catalysts and the development of therapeutics for pathological and infectious diseases. Rimer has received several awards, including a fellowship from the Welch Foundation, the ACS Doctoral New Investigator Award, and the NSF CAREER Award. He was also a recent recipient of the Junior Faculty Research Excellence Award from the Cullen College of Engineering at the University of Houston.



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

PSM workshop

Speaker: Steven Briley , P.E., MBA

PSM In The Wild, Wild Gas Processing Frontier

Abstract: Natural gas wells are popping up everywhere, along with gas processing plants (“midstream”) to move the gas to market. Is this fast-moving industry remembering to include PSM in these new gas plants? One consulting process engineer describes what he is seeing today in the gas field, and he discusses the unique process safety challenges presented by industry organization and practices, fundamental engineering issues, business activities, organizational arrangements, and enforcement focus. Finally, he offers a “wish list” of action items to keep these vital gas processing operators safe, and their gas flowing to our homes and factories.

Bio: **Steven Briley** is a registered professional engineer in Texas, a Chemical Engineering graduate of the University of Texas with an MBA from Stephen F Austin University. He started in the oil field with Sun Oil Company in 1975, then worked 33+ years with Eastman Chemical Company, in charge of operations for an ethylene plant, heading an HSE organization, and designing/operating new facilities for the R&D group. He also has a dozen years of independent consulting experience, and two years as Manager of Engineering and Technology for RB Products. He is currently working with other independent consultants in the oil and gas field, including safety consulting and process design.

Environmental workshop

Speaker: Philip Black, P.E.

Details are not available at publication time. Please see details on the website later.

2014 STS-AIChE Spring Dinner Meeting Schedule

| Date | Location | Speaker | Affiliation | Topic | Sponsor/Comment |
|----------|-------------------------|--------------|-----------------------|--|--|
| 1/9/2014 | Pelazzio's Banquet Hall | Jeff Rimer | University of Houston | Discovering New Paradigms in Zeolite Synthesis through Rational Design | |
| 2/6/2014 | Brady's Landing | Jim Harris | Conoco Philips | Floating LNG - TBD | |
| 3/6/2014 | St. Arnold's Brewery | Brock Wagner | St. Arnold's | History of Beer | All-inclusive (dinner, etc.) |
| 4/3/2014 | Pelazzio's Banquet Hall | Otis Shelton | National AIChE | TBD | Tentative, pending availability |
| 5/1/2014 | Brady's Landing | TBD | TBD | Energy Forum - TBD | Multiple Sponsors in conjunction with the Energy Forum |

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.

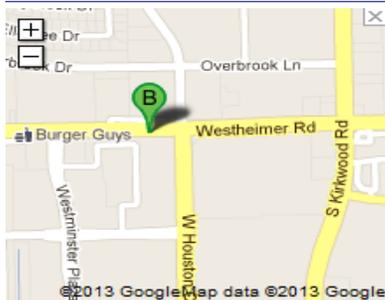
| | Pre-Registration Members | Pre-Registration Non-Members | At the door Members | At the door Non-Members |
|---|-----------------------------|---------------------------------|------------------------|----------------------------|
| Regular/Retired | \$25 | \$35 | \$35 | \$40 |
| Student/unemployed | \$15 | \$20 | \$25 | \$30 |
| North Houston satellite meeting location | \$18 | \$18 | \$20 | \$20 |

NOTE: You have until 4 PM CST on January 8th 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.aidhe.org/>

Meeting Location— Pelazzio Banquet Hall



This month's meeting will be held at [Pelazzio Banquet Hall](#) (12121 Westheimer Rd, Houston, Texas 77077) Double click on the map to the left for directions from your location. The satellite meeting will be held at [Cilantro's Mexican Grill](#), (Sawdust location) at 314 Sawdust Rd, The Woodlands, TX, 77380 . Double click on the map below for directions. This location provides a quiet, private room upstairs for meeting. More details are included in the next section below.

North Houston Satellite Meeting Information—Cilantro's Mexican Grill @ Sawdust Road (formerly Rico's)

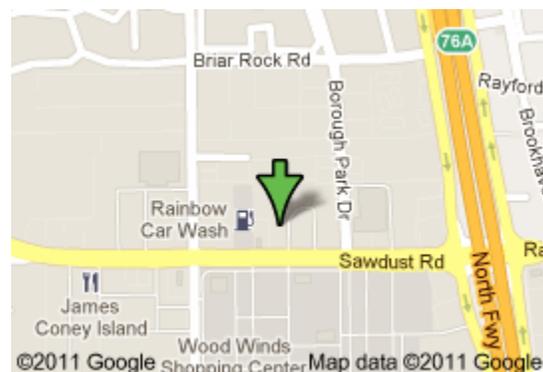
Join us without driving too far for some local networking at The Woodlands/North Houston satellite meeting! We have our own social/networking program.

Due to the wonders of modern technology, via closed circuit broadcast from the main meeting site, we have access to the great speakers provided by STS. This month's meeting Thurs., Jan. 9, will once again be at Cilantro's Mexican Restaurant (formerly Rico's) at 314 Sawdust Rd, The Woodlands, TX, 77380, 281-419-3180. Cilantro's offers \$2 margarita specials. On-line pre-registration is available but not required. Order your dinner off the restaurant menu. Contact Ken Walter (kk.walter@comcast.net) with questions or special needs. Guests are welcome, please spread the word!

Schedule :

- ◆ 6: 15 PM Social hour
- ◆ 7:00 PM Dinner. Order off the menu
- ◆ 7: 45 PM Remote tie-in with STS-AIChE technical program
- ◆ \$18.00 in advance / \$20.00 at the door

All guests are welcome!



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

In my first chairs letter I would like to start by thanking the outgoing Executive Committee members who completed their terms in December: Gary Gildert – Chair, James Turner – Past Chair, Kelly Richardson - Secretary, and Teresa Jurgen-Kowal - Position 4 (Human Resources). Bill Epling filled in for Ramanan Krishnamoorti and was officially elected to Position 2 (Outreach). Their service has been a huge benefit to the South Texas Section and to practicing Chemical Engineers in the region. For this year, I will continue to rely on the guidance and counsel of James Turner and Gary Gildert – I am sure they will keep me headed in the right direction!

I would also like to welcome the new officers: Kelly Richardson – Chair-Elect, Gary Gildert - Past Chair, Katherine Leskin – Secretary, and again, Bill Epling – Position 4. I know that their dedication will serve the South Texas Section well. Their service has been a huge benefit to the South Texas Section and to practicing Chemical Engineers in the region.

Continuing to serve on the executive committee in 2013 are myself - Chair, Ven Pinjala–Treasurer, Shane Tierling - Position 1 (Education), and Aiyng (Annie) Li - Position 3 (Communications). Shane has done a fantastic job of finding good workshop speakers and Annie has been phenomenal in getting this wonderful newsletter out on time and keeping the home page up to date with Phil. Trevor is our unsung hero of the webcasting crew, with Gary and myself. Jon Middleton and Paul Tripathi make sure that reservations go smoothly. I look forward to working closely with these capable, resilient people over the coming year.

The Young Professionals ending the year off with a show, a dinner show. I had a wonderful time with everyone at the Spaghetti Warehouse during the murder mystery dinner. If you look at the YP section of this newsletter, you may find pictures of the spectacular characters we encountered (Sherlock Holmes, Austin Powers, Robin Williams and even Marilyn Monroe!).

We have many exciting things planned for this year, including the 6th Southwest Process Technology Conference in October, which will be at the ever popular Moody Gardens. Our spring general meetings are shaping up quite nicely, with Jeff Rimer discussing his catalysis research in January, Conoco Phillips discussing Floating LNG (a very interesting topic indeed), returning to a popular beer brewery in March, hearing about what's new with National AIChE in April and having our Energy Forum in May. Our Water Forum was such a hit, we decided to ask Kathey Ferland to put it together again for this fall.

We will continue to have webcasting at our general meetings, however, we are still having difficulty with ensuring the best quality stream to our satellite locations. Gary is going to continue to try and improve the reliability of the system. I would encourage those of you who are unable to attend the general meetings due to distance to tune in online. Just send Gary an email at sts-pastchair@aiche.org to get an invitation and instructions.

We will be continuing our general meetings' Season Pass program again this year. One sign-up gets you into the next five dinner meetings for the low price \$99 as well as a professional grade name tag for you and/or your company. Please see the website for details.

We have noticed that there are many companies who have lost touch with STS-AIChE. For this, we have added a corporate liaison program. All liaisons will receive special emails and outlook calendar events that they can forward to their department, and in return, gain positive recognition from their department managers. If you are interested, please contact me at sts-chair@aiche.org.

In addition to our great line-up of general meetings, we will have our Annual Ship Channel Cruise and the Summer Baseball Game outing over the summer. The Young Professionals will be putting together our December Social again this year, and would welcome suggestions for what you would like to see this year. We will also be holding our Chemical Engineering PE Review Course again this spring. Dale Embry is taking applications through the first week of the New Year at <http://sts.aiche.org/content/pe-refresher-course-offered-spring-2014>.

As most of you know, getting something great started is only half of the battle. Maintaining something great is its own challenge. My New Year's Resolution (aka my mission for the year) will be to make sure that your activation energy for getting/staying involved is as low as possible. We will clean up old/unused content on our website to make sure it is up-to-date and effortless to navigate. I have also started a Dropbox account, which will be used to store easily accessible information for officers to make sure they have the tools they need at a moment's notice. The variety and quantity of events/programs we have created have increased greatly over the last few years, while our volunteer base has remained fairly constant. I am truly grateful for those of you are already involved, and I believe that more of you would like to volunteer your time/skills if we provided a more organized environment for you to do so. I have found that as I help the organization, I have developed better speaking skills, better contacts and better time management. It has really helped me to see the many facets of chemical engineering and figure out what I want to do with my career. If you are interested in helping with any aspect of STS-AIChE, please let me know. I want you to know that you are an important part of this community, with real value to give and to gain.

Please feel free to forward this newsletter and e-mails that you get from me to others that may be interested in our programs and activities. The more professionals we get involved, the better everyone benefits from our events, which are open to everyone, not just Chemical Engineers or STS members.

I would also 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 the South Texas Section of AIChE a place of community, fellowship and education for us all.

Best Regards,
Carol Schmidt

Young Professionals Sections

Letter from our 2013 Chair

It has been a year of many accomplishments. We organized initiatives like plant tours, K-12 events, attended Science Fairs, sent volunteers to the Offshore Technology Conference, had representation at the Arctic Technology Conference, hosted Happy Hours, organized University Visits, coordinated presentations at Regional Conferences, continued with the YP Giving and Featured YP programs, and hosted a memorable December meeting. All of these activities were motivated by the Young Professionals participation. We are pleased to see new faces in our meetings and part of that is due to a collective effort from all our volunteers to keep our new members engaged.

I want to thank our fellow YP members for their contributions. In addition, give a big thank you to our STS Executive Committee and AIChE National groups for their continued leadership, guidance and support.

This year, I have been able to test leadership skills and learn a lot from my colleagues. Now, I want to pass that honor to Matt Johnson who will be leading the Young Professionals during 2014. Thank you for the opportunity to represent this wonderful group of people.



Carlos A. Salamanca

December Meeting

STS members, guests and the YPs had a great time at the December meeting. Below pictures were taken during The Murder Mystery Theater performance over at the Spaghetti Warehouse. Special thanks to our volunteers being part of the show.



Young Professionals Sections (Continued)

Featured YP of the Month – Ghinwah Hachem

1. Tell us about yourself

My name is Ghinwah Hachem. Ghinwah is Arabic for little song, but most people call me GeeGee! I am originally from Beirut, Lebanon and I moved to the USA in 2007. I got my BS in Chemical Engineering from The University of Dayton, Ohio and then I worked as a Production Engineer in Alabama where I got to make “Splenda” the sweetener! Currently, I am working as a Process Engineer for The Dow Chemical Company. In my current assignment, I am designing the polymer pelletization, material handling, and packaging areas of one of the new plants that Dow is planning on building in the USA. I LOVE my job, my co-workers and my project team! Outside of work, I enjoy music, photography, traveling, meeting new people, learning about different cultures, learning new languages, teaching people Arabic, cooking, dancing, and food & wine tasting!!



2. What do you like most about your current job and what are your responsibilities?

In my current role, I am responsible for designing the polymer pelletization, material handling, and packaging areas of an elastomers plant. First, I really like the culture at Dow: people take a lot of time out of their busy schedules to answer your questions and to help you develop very strong technical skills. These people might even be in Germany, Spain, India, or any other location but they will find the right way to transfer their knowledge to help you better understand your pieces of equipment and optimize your designs, resolve any issues and develop a solid understanding of your area(s). Second, every process engineer at Dow is challenged in their role: What makes my role extremely challenging and fun is that I have to interact with many people and be extremely meticulous in order to ensure that I come up with the most effective, reliable, and optimum designs! Third, people at Dow empower you: they want you to learn, they want you to excel! During my first 10 months, I was given the chance to lead an Employee Development Week. The Site Leadership Team trusted me in taking on this role! I was assigned a mentor who empowered me to lead a team and plan and execute an extremely successful event that benefited hundreds of employees. That was a phenomenal experience! My manufacturing representative has given me the opportunity to lead several vendor meetings: she took the time to go over the material with me and make sure I was well prepared. She empowered me to lead the meetings and deliver excellent results. Finally, people at Dow recognize others for the effort they put in: people send you e-cards or Carat awards to thank you for doing a great job! I have received several recognitions within 11 months and that definitely makes me very happy and motivated to continue doing a great job.

3. How has STS and AIChE benefited you?

Before relocating to Texas, I was always a member of AIChE but I did not have the chance to be as involved since the chapters were not as active in Dayton and Alabama. After moving to Houston in January 2013, I have started getting more involved. I have attended several monthly meetings and I have had the chance to learn more about Fluid flow from Todd Willman and meet other young professionals. I have also had the chance to tour Watson Grinding and Watson Valves facility: that tour was great and it highlighted several manufacturing aspects that I was not familiar with.

4. Any advice for the ChE students who will graduate soon?

Move to Texas! ☺

Don't ever be afraid of asking questions! Your degree is only the beginning of a very steep learning curve.

Be a sponge: surround yourself with people who teach you new things or help you become better at what you do!

Make sure you stay up-to-date with everything that is going on in the chemical industry: do not limit yourself to your job responsibilities.

Finally, expand your network!

5. Was there an STS-YP project that you worked on that you found valuable?

I haven't worked on any STS-YP projects yet but I look forward to doing that in the near future.

6. Was there an AIChE webinar or e-learning course that you have or would find valuable?

I haven't had the need to attend any of the AIChE webinars or e-learning courses yet.

Dow offers plenty of webinars and courses: not only do they revolve around technical matters but a lot of them teach you how to strengthen your negotiation skills, how to handle your money wisely, how to create strategic partnerships, how to work on your career development plan, etc.

Young Professionals Sections (Continued)

Young Professional STS AIChE New Chair for 2014

We want to welcome Matt Johnson as our new Chair for the Young Professionals Group. Matt works for Foster Wheeler as Process Engineer, and has been involved with the Young Professional performing in different roles.



Young Professional 2014 Board

The Young Professionals group is looking for volunteers to be part of the 2014 Board. Please send us an email showing your interest to sts-yp@aiiche.org

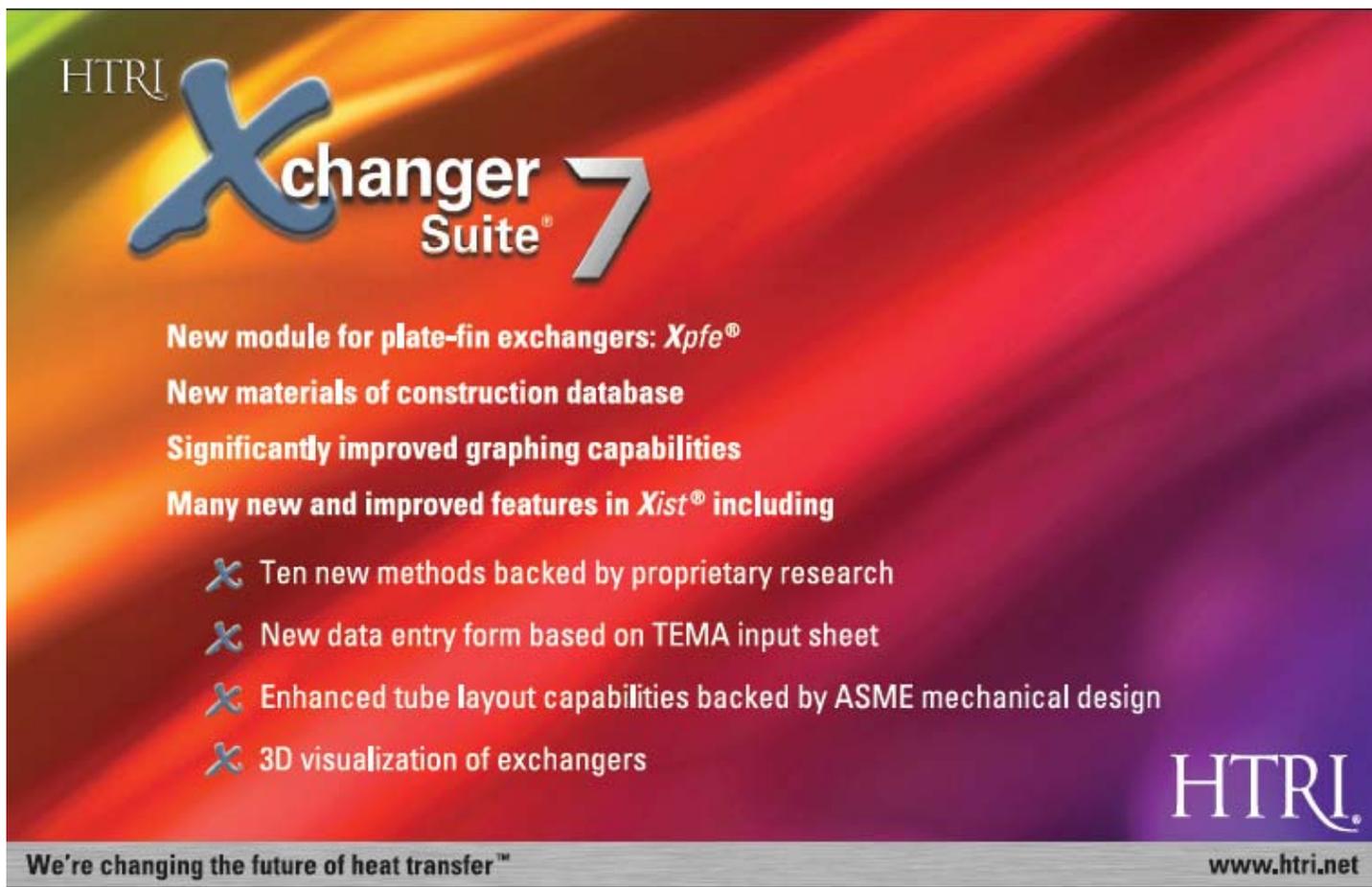
YP Plant Tour Recognitions

Young Professionals presented a plaque to the Cameron Custom Process Systems Technology Center. We want to thank Mariana Torrealba and Luis Caires for their hospitality hosting the tour.



A Short Course of Applications of Heterogeneous Catalysis

A comprehensive five-day short course "Applications of Heterogeneous Catalysis" will be given March 10-14, 2014 by the Department of Chemical and Biomolecular Engineering of the University of Houston. The course covers research methodology while concentrating on applications to today's chemical industry. Although organized to match the needs of chemists and chemical engineers entering the practice of heterogeneous catalysis, it is equally suited to those experienced in certain areas but who wish to acquire an overview of the field. Since its debut in 1971, approximately eighty offerings in Houston and Europe have attracted thousands of professionals from major companies in the hydrocarbon processing and environmental sectors. Please click here: <http://www.chee.uh.edu/sites/chbe.egr.uh.edu/files/files/UH-Het-Cat-Short-Course-2014.pdf> for detail information. For further information, visit <http://www.chee.uh.edu> or contact Professor J. T. Richardson at jtr@uh.edu



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It's Awards Time!

It is once again time to nominate an STS member for the 2013 South Texas 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.aische.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.aische.org/content/award-nominations>.

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

South Texas Section – AIChE - 2013 Annual Awards Nomination Form (Page 1 of 2)

THIS NOMINATION FORM MUST BE RECEIVED BY MAY 1, 2014 TO BE ACCEPTED!

Mail the completed form to:

Thomas E. Menn
 P. O. Box 458
 Pearland, Texas 77588-0548
 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, 2014 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 : _____
 EMAIL ADDRESS: _____

I wish to nominate _____

(Enter Name of Nominee or Title of Paper on the above line.)

ENTER CONTACT INFORMATION FOR NOMINEE OR AUTHOR:

NOMINEE or AUTHOR'S NAME : _____
 ADDRESS: _____
 STREET : _____
 CITY : _____ STATE: _____
 ZIP CODE : _____
 TELEPHONE NUMBER : AC : _____ NO : _____
 EMAIL ADDRESS: _____

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

2013 STS Outstanding Young Professional Award (Under age 35) _____
 2013 STS Distinguished Service Award (Over age 35) _____
 2013 STS Best Fundamental Paper Award _____
 2013 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.

South Texas Section – AIChE - 2013 Annual Awards Nomination Form (Page 2 of 2)

Please enter the name of the 2013 Best Paper again:

(Sorry to trouble you but this is in case the sheets get separated.)

Enter the contact Author’s name again: _____

(Sorry to trouble you but this is in case the sheets get separated.)

FOR BEST PAPER NOMINATIONS, LIST THE NAMES OF THE AUTHORS AND CHECK ALL BLANKS THAT APPLY:

| | MEMBERSHIP | |
|---|-------------------|------------|
| <i>Note: At least one author must be an STS Member.</i> | AICHE | STS |
| Co-Author #1: _____ | _____ | _____ |
| Co-Author #2: _____ | _____ | _____ |
| Co-Author #3: _____ | _____ | _____ |
| Co-Author #4: _____ | _____ | _____ |
| Co-Author #5: _____ | _____ | _____ |
| Co-Author #6: _____ | _____ | _____ |
| Co-Author #7: _____ | _____ | _____ |
| Co-Author #8: _____ | _____ | _____ |

[Add additional authors on an attached sheet if necessary.]

For Best Paper nominations, please provide following information:

NAME OF PUBLICATION: _____

DATE OF PUBLICATION: _____

VOLUME NO. (if known): _____ PAGES: _____ to _____

PLEASE ATTACH 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, 2014 in order to be eligible for the recognition due a STS – AIChE Member Best Paper Award Recipient.

PE Refresher Course Offered Spring 2014

The STS-AIChE & the University of Houston will sponsor a Chemical Engineering Professional Engineering Review Course, Spring of 2014.

The course will be held at UH from 4:00 to 7:00pm on Friday afternoons beginning January 17 through April 4. The cost for the course (not including books) is \$875 for non-members, \$650 for members of both National AIChE and STS-AIChE.

We have continued to update the curriculum based upon feedback from the students over the past three course offerings.

We are extending Registration open date until January 3. Contact Dale Embry at dale.l.embry@member.aiche.org or 832-815-1552 for more information.

Preliminary Schedule - Spring 2014 PE Exam Review Course for Chemical Engineering

| Dates 2014 | Topic | Instructor |
|------------|---|--|
| 17-Jan | Introduction; Mass/Energy Balances & Thermo I | Dale Embry |
| 24-Jan | Mass/Energy Balances & Thermodynamics II (3) | Gary Gildert/Dale Embry |
| 31-Jan | Thermodynamics III (1); Fluid Mechanics I (2) | Dale Embry; Todd Willman/Carol Schmidt |
| 7-Feb | Fluid Mechanics II (3) | Todd Willman/Carol Schmidt |
| 14-Feb | Heat Transfer I (3) | Dennis Glascock |
| 21-Feb | Heat Transfer II (1); Separations Processes (2) | Dennis Glascock; Jose Bravo |
| 28-Feb | Separations Processes II (3) | Jose Bravo or Carlos Trompiz |
| 7-Mar | Kinetics I (3) | Gary Gildert |
| 14-Mar | Spring Break | |
| 21-Mar | Kinetics I (1); Plant Design & Economics (2) | Gary Gildert; Dale Embry |
| 28-Mar | Plant Design & Operations (3) | Katherine Leskin |
| 4-Apr | Sample Test Exam (3) | |

All classes will meet on Fridays from 4:00 - 7:00 P.M.

Important Dates:

PE Exam: Friday, April 11, 2014

Application Deadline: Monday, December 13, 2013

PE Review Course Registration Deadline(Extended): Friday, January 3, 2014, 5:00pm

PE Exam Registration Deadline: Thursday, February 20, 2014

UH Contact: Nicolette Solano

Phone: 713-743-4304

Email: nsolano2@Central.UH.EDU

AIChE Contact: Dale Embry

832-815-1552

dale.l.embry@member.aiche.org

Texas Board of Professional Engineers (TBPE) www.tbpe.state.tx.us

National Council of Examiners for Engineering and Surveying (NCEES) www.ncees.org

Books used in the course: Study Materials can be found at <http://ppi2pass.com/> & www.ncees.org

✦ Chemical Engineering Reference Manual for the PE Exam ISBN-10:1-59126-007-8

✦ NCEES PE Exam Chemical Sample Questions and Solutions ISBN:978-1-932613-52-0

2014 Chemical Engineering PE Exam Review Course Registration Form

Books used in the course: Study Materials can be found at <http://ppi2pass.com/> & www.ncees.org

- Chemical Engineering Reference Manual for the PE Exam ISBN-10:1-59126-007-8
- NCEES PE Exam Chemical Sample Questions and Solutions ISBN:978-1-932613-52-0

Name (First Last) _____

Preferred Email Address _____

Phone Number (must accept text messages) _____

Shipping Address

Address _____

City _____ State/Province _____ Postal Code _____

Billing Address check if same as shipping address

Address _____

City _____ State/Province _____ Postal Code _____

Drivers Licence (#,State): _____ Birthdate (mm/dd/yy): _____

Gender M F

Payment Type Visa Mastercard Discover Check (enclosed)

Card # _____ Expiration Date _____ Security Code _____

AICHE Membership Number (for discounted membership price) _____

I authorize STS-AIChE to charge \$ _____ for payment of the PE Exam Review Course using the above credit card information provided.

For National AIChE & STS members - \$650

For non-members - \$875

Signature _____ Date _____

Please send this registration form to:

e-mail: dale.l.embry@member.aiche.org

Mail checks to:

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

You will receive a confirmation by email within several days of receipt.

Limited Space—reserve your space now (we are extending cut-off for class registration to **January 3rd.**)

Cancellation Policy-by 12/15—full refund, 12/20-1/2 refund, after 12/20-no refund.

K12 Volunteer Opportunities

AIChE and STS are working to start up K12 outreach programs. We are encouraging STS members to attend various local outreach events and report back to STS and AIChE on their experience. We are encouraging STS members to report back to Matt Kolodney (mkolodne@tceq.state.tx.us) with one-page descriptions of their K12 outreach experiences, what worked well and what didn't. These will be reviewed locally and passed on to the AIChE National K12 program. Some local K12 opportunities are listed below.

HUNSTEM web site: <http://hunstem.uhd.edu/> Already has a wide range of educational resources for use by interested teachers and volunteers. AIChE (national) is encouraging cooperation with organizations such as HUNSTEM.

IEEE http://www.ieee-houston.org/Committees/SAC/Brochure_IEEE%20Houston_7_Oct_2007.pdf This ongoing Houston Area program assists local schools with teacher training demonstrations.

SEFH <http://hunstem.uhd.edu/SEFH/> Science and Engineering Fair of Houston

Houston Museum of Natural Science (<http://www.hmns.org>) has ongoing outreach programs and could use more volunteers.

The Houston Children's Museum (<http://www.cmhouston.org>) also has outreach programs.

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

2014 Offshore Technology Conference:

The 2014 OTC will take place May 5 to 8 at Reliant Park, Houston, Texas. At this point, no details have been received from the OTC Office except that volunteer registration will be done using the internet. Details will be provided as soon as they are made available. For any other questions, e-mail thomasmenn@SBCGlobal.net.

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Call For Volunteers:

In STS-AIChE, we have an opening for a K-12 co-coordinator or volunteer, helping with one or more of the following:

- ◆ Advice on how to get started productively
- ◆ The opportunity to attend K-12 events of other organizations, to learn how to conduct an outreach event
- ◆ Networking opportunities to get contacts in local school systems
- ◆ Assistance in recruiting STS volunteers
- ◆ The opportunity of 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 are outgoing, observant & helpful, and would be interested in some of the following:

- ◆ A great opportunity to develop your people skills & leadership skills by helping develop those capabilities in the STS and its members
- ◆ Identify the varied opportunities for STS volunteers
- ◆ Greet first-time attendees—help them feel welcome. Introduce them to other STS members
- ◆ Gradually get to know the first-timers and their interests
- ◆ Contact them periodically—encourage them to come back
- ◆ Encourage them to gradually get involved in STS
- ◆ 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

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:

- ◆ Fill one of STS's two Councilor positions on ECH
- ◆ 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 you can bring some of their ideas back to STS and AIChE
- ◆ Participate in intersociety workshops on technical issues that affect the Greater Houston Area
- ◆ Opportunity to get involved in organization of the regional science fair
- ◆ If you would like to encourage volunteer activity in a particular area, we'll help you organize intersociety activities in that area
- ◆ If you're a YP, we can help you organize intersociety YP events that you would like to happen, but currently don't
- ◆ 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 mklodne@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. James Turner (current STS Past Chair) and Carol Schmidt (current STS Chair Elect) 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.

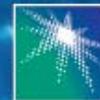
| STS-AIChE | Liaison | Company |
|---|---|---|
| Responsibilities | | |
| <ul style="list-style-type: none"> ✦ Provide meetings and events ✦ Maintain list of liaisons ✦ Send out special emails to liaisons ✦ Advertise program and recognize liaisons and companies | <ul style="list-style-type: none"> ✦ 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 interests and comments | <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 **James Turner** at (281) 263-5584 or sts-pastchair@aiche.org.

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South Texas Section AICHE

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Past Chair Gary Gildert
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David Silarski

Membership: David Silarski

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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

<<To be developed>>



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— MAINTAIN YOUR CONTACT INFORMATION WITH STS —

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

<https://www.memberconnections.com/olc/pub/CHM/>

To update your information, log in, then select [Member Directory](#).

Select the link to [View/Update Your Online Directory Listing](#).

Contact the New York office for PERMANENT ADDRESS CORRECTIONS:

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The South Texan Newsletter Crew

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

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

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