



Monthly Meeting May 1st, 2014

Central Location: Brady's Landing 8505 Cypress St. Houston (Energy Forum 4 to 6 PM-register at <http://texasiof.ceer.utexas.edu/tiof/energyforum05012014.asp> Social Hour at 6PM, Dinner at 7 PM; pre-register at <http://sts.aiche.org/>)

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

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May Meeting is sponsored by TLV and ExxonMobil.

Topic: All of the Above... A Requirement for Energy Security **Dinner Speaker:** Charles McConnell

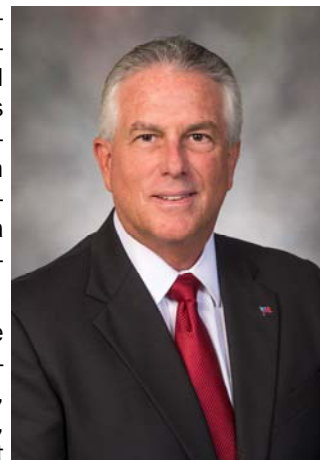
Bio: *Charles D. McConnell* is Executive Director of Rice University's Energy and Environment Initiative, a university-wide integration of science, engineering, economic analysis, policy and social sciences to address the diverse issues and challenges associated with energy security, affordability and environmental sustainability. The effort is designed to partner with industry and external stakeholders and position Rice as an impartial broker that combines technology and policy to create a sustainable energy platform for excellence in resource utilization and environmental stewardship.

A 35-year veteran of the energy industry, McConnell joined Rice in August 2013 after serving two years as the Assistant Secretary of Energy at the U.S. Department of Energy. At DOE, McConnell was responsible for the strategic policy leadership, budgets, project management, and research and development of the department's coal, oil and gas, and advanced technologies programs, as well as for the operations and management of the U.S. Strategic Petroleum Reserve and the National Energy Technologies Laboratories.

Prior to joining DOE, McConnell served as Vice President of Carbon Management at Battelle Energy Technology in Columbus, Ohio, where he was responsible for business and technology management, including leadership of the Midwest Regional Carbon Sequestration Partnership.

McConnell also spent 31 years with Praxair, Inc., providing business leadership and strategic planning to the global hydrogen business, refining and chemicals markets, enhanced oil recovery, carbon dioxide management and the full range of energy technology R&D activities.

McConnell has held a number of board positions including chairmanships of the Gasification Technologies Council and the Clean Carbon Technology Foundation of Texas. McConnell holds a bachelor's degree in chemical engineering from Carnegie-Mellon University (1977) and an MBA in finance from Cleveland State University (1984).





Texas Industries of the Future

Texas Industrial Energy Management Forum

Thursday, May 1, 2014

Brady's Landing

8505 Cypress St.

Houston, Texas 77012

To register, go to <http://texasiof.ceer.utexas.edu/tiof/energyforum05012014.asp>

3:30 to 4:00 pm	Forum Registration and Visit with Exhibitors
4:00 to 6:00 pm	Energy Management Forum
6:00 to 7:00 pm	Optional Networking and Exhibition (sponsored by AIChE-STS – info below)
7:00 to 9:00 pm	Optional AIChE-STS Dinner (non-members are welcome – info below)

Managing site energy use in the processing industries today requires that you bring many skills to the table. With a respite from the \$10 natural gas of the last decade and the construction of new units, engineers at process plants are tackling other issues. This Forum will explore many different facets of energy management today: Life Cycle Analysis, a tool for evaluating energy impacts; an exploration of the metrics used to drive a sustainable and effective energy program; lessons learned from conducting boiler assessments that comply with environmental regulations; and how some plants are incorporating risk reduction into their evaluation of onsite power generation projects.

Forum Moderator

Chemical and Refining Advisory Committee, Texas IOF

Presentations

Life Cycle Assessment and GHG Abatement by Chemical Products

Abdelhadi Sahnoune

Sustainability Team Lead, ExxonMobil Chemical Company

Life cycle assessment (LCA) has become as a key tool for the study of energy systems and the contribution of products to addressing sustainability challenges. LCA allows a holistic view and a quantification of the environmental impacts associated with a product or activity and avoids burden shifting from one life cycle phase to another. Through the analysis of the life cycle impacts from raw material extraction to production to end of life, we will explain how products of the chemical industry contribute to sustainability.

Energy Intensity and Key Indicators and their Application

Dr. Frank Zhu

Senior Fellow, UOP

The concept of energy intensity sets the basis for measuring energy performance while the concept of key energy indicators provides guidance for what to do and how to improve process energy efficiency. Both concepts are the cornerstones of an effective and sustainable energy management system.



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Lessons Learned from Conducting Boiler MACT Energy Assessments

Tom Theising, C.E.M., C.D.S.M.

Energy Systems Manager, BASF

The Boiler MACT (DDDDD) and Area Source (JJJJJ) Rules are the first time that an energy assessment has been included as a compliance requirement for a Clean Air regulation. Tom has conducted approximately two dozen energy assessments on equipment subject to the Boiler MACT requirements to date in 2014. He will present the methodology developed for conducting MACT required energy assessments in a Do It Yourself (DIY) format. A list of what to look for, how to go about preparation and data collection, and a compilation of findings will be presented.

CHP as a Risk Reduction Strategy

Ray Deyoe

Managing Director, Integral Power, LLC

With increased natural gas volatility, tightening ERCOT reserve margins and water supply constraints becoming the "new normal", industries along the Gulf Coast are starting to take a second look at combined heat and power and waste heat to power. Ray will present two case studies which demonstrate the importance of these dynamic drivers in the project evaluation calculus.

Questions & Answers

Pre-Registration and Exhibiting

There is no cost for attending the Energy Forum; however, pre-registration is requested so that we can provide adequate facilities. To register, go to <http://texasiof.ceer.utexas.edu/tiof/energyforum05012014.asp>

You can reserve an exhibit space with STS-AIChE by contacting Kelly Richardson at kelly_s_richardson@hotmail.com or 832-954-6055.

Funding for the Energy Management Forum is provided by the Texas State Energy Conservation Office of the Texas Comptroller of Public Accounts.

STS AIChE Dinner and Speaker

You register and pay for this dinner separately on the STS-AIChE website at <http://sts.aiche.org/>. Registration for the dinner will open the second week in April. There is a charge for dinner and can be paid for with a credit card on the website at a discount or at the meeting in cash or check. The speaker will be Charles McConnell, Executive Director of Rice University's Energy and Environment Initiative, who will be addressing energy policy and energy security.

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.

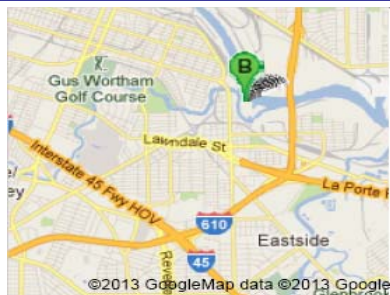
	Pre-Registration Members	Pre-Registration Non-Members	At the door Members	At the door Non-Members
Regular/Retired	\$15	\$25	\$25	\$30
Student/unemployed	\$10	\$15	\$20	\$25

NOTE: You have until 4 PM CST on April 30th to pre-register online. After that, you will be required to pay the higher cost online or at the door.

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

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

Meeting Location— 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. There is no Satellite Meeting this month. We plan to webcast the meeting live on our new [YouTube channel](#). For More details information, please check our website <http://sts.aiche.org/>.

STS-AIChE Scholarship Award Winners

1. Deughyeong "Jenny" An — Rice University
2. Alexandra Zambrano — Rice University
3. Luz Rocha — Rice University
4. Vander Breland — Prairie View A&M
5. Bruna Menezes — Prairie View A&M
6. Mercedes Stevens — Prairie View A&M
7. Partho Giri — Texas A&M
8. Milena Stefanovic — Texas A&M
9. Chris Sukumpantanasarn — Texas A&M
10. Paul Abraham — University of Houston
11. Jorge Cruz — University of Houston
12. Michael Achierno — University of Houston

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

Here we are again, at the end of another wonderful season. We've had topics from breaking technologies in research and offshore applications to a grand ol' brewery tour and back again to an insider look at AIChE on a grand scale. We only have one more monthly meeting before the summer break, but it's a good one. Kathey Ferland has wrestled up another great cast of characters for the Energy Forum on Thursday, May 1st, 2014. For our dinner meeting, Charles McConnell will be discussing, "All of the Above – A Requirement for Energy Security". More information about the forum and the dinner meeting are available on our home page at sts.aiche.org.

May is going to be a big meeting for reaching out to our youth. We will be giving out awards to those high school students we found to have the best chemical engineering science projects at the Houston Science and Engineering Fair. We will also be presenting scholarships to students in colleges within our region. We do our best to keep a pulse on our youth, but Houston is big, and there are many things to do. If you or someone you know is involved in the community, I/we would like to hear about it and help you reach out to potential volunteers.

Speaking of reaching out, we are in full preparation for OTC (Offshore Technology Conference). We need volunteers to help put educational goodie bags together for teachers and students as well as volunteers to help with various activities at the event. If you are interested, please see our newsletter at sts.aiche.org/newsletter.

The biggest news of the season is that webcasting is working better than ever! Don't believe me? Check out our YouTube Channel - South Texas Section of AIChE. Gary, Trevor and I have been working very hard to make this happen, so please check out the videos and promos.

Although we won't have another Monthly Dinner Meeting until September, we still have a full summer. Dennis Griffith has organized the Annual Ship Channel Cruise for Saturday, June 7th. On Friday, July 25th, the YPs have set up a special section at Minute Maid Park to see the Astros vs. the Marlins. This is a great way to spend time with your family with hot dogs, sodas and popcorn included!

I would like to thank everyone who has wished my family well. Many of you might not know, but I was pregnant upon election to STS-AIChE Chair. We welcomed our second son, Andrew into the world last June. Poor little guy had a few problems that caused him to spend a week in the NICU. I am happy to announce that I am finishing this chair's letter from the hospital bed where they have just cleared Andrew as being completely over his hypoglycemia. I cannot thank the Executive Committee enough for helping me with AIChE tasks when duty called. Especially Annie, who gently reminds me to write these Chair Letters and Gary, for wearing so many hats within STS. I would call them all out by name, but we will save that for the end of the year.

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

Sincerely,

Carol Schmidt
2014 Chair, STS-AIChE
sts-chair@aiiche.org

2014 STS-AIChE Future Dinner Meeting Schedule

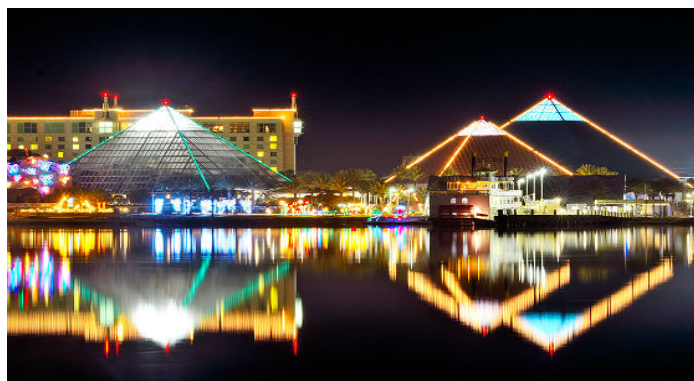
Date	Location	Speaker	Affiliation	Topic	Sponsor/Comment
5/1/2014	Brady's Landing	Charles McConnell	Rice University	An All of the Above Energy Strategy – A Requirement Not a Slogan	Multiple Sponsors in conjunction with the Energy Forum
9/11/2014	Pelazzio's Banquet Hall	Nate Hatcher	Optimized Gas Treating, Inc.	TBD	
10/9/2014	Moody Gardens Hotel & Convention Center	TBD	TBD	TBD	
11/6/2014	Brady's Landing	TBD	TBD	Water Forum	
12/4/2014	TBD	TBD	TBD	Social	Planned by the Young Professionals

Meeting Sponsors —We Thank You!

Bronze Sponsor (s)



2014 AIChE Southwest Process Technology Conference



Save the Date: **October 9-10, 2014**,
Moody Gardens Hotel & Convention Center

- October STS Dinner
- Openings for Sponsors, Exhibitors, Career Fair
- Speakers Needed
- Registration now open!

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

Contact: Alan Rossiter at alan@rossiters.org or 713-660-9503

Did you miss any of the presentations at the 2013 SPTC? Recordings of many of these are now available on ChemE on Demand. You will find a full list at <http://www.aiche.org/resources/chemeondemand/conference-presentations/southwest-process-technology-conference/2013>. STS-AIChE members can get free access to these presentations by entering the discount code **STSREC** during the purchase procedure. PDH certificates are available.

Young Professionals Sections

YP Monthly Meeting Highlights



Above, it shows the group picture of Young Professionals who participated in the April monthly Meeting held at Palazzo Banquet Hall. Thank you to Matt Kolodney for this Photograph.

Volunteers Needed: OTC Goodie Bag Preparation – Sunday, May 4th @ 1:00pm

The Young Professionals will once again provide chemical engineering related goodie bags to 160 teachers and 300 students that attend the Offshore Technology Conference the first week of May. The young professionals require volunteers to help fill these bags for a few hours on Sunday, May 4 in Sugarland, TX. Help us get more kids interested in chemical engineering! If your company would like to provide us with company marketing goodies to be included in bags for students, let us know! Contact sts-yp@aiche.org for more details about this volunteer event. Food and drinks will be provided!

YP Happy Hour – Friday, April 25th (Time & Location TBD)

The YPs are hosting a happy hour on Friday, April 25. Stay tuned to your e-mail, the location is to be determined! Drinks and appetizers will be provided.

Young Professionals Sections (Continued)



STS-AIChE YP Social Coordinator Bryan Pourchot measuring distances for the Chemical Engineering Car Competition at the 2014 AIChE Southwestern Regional Student Conference.

Astros vs. Marlins – Friday, July 25th @ 7:10pm

The Young Professionals is hosting our annual baseball game on July 25th at Minute Maid Park in Downtown Houston. The first 40 tickets sold will be \$20 per ticket and the price will be \$30 per ticket after that. Mark your calendars for this fun event!

Winners of STS-AIChE Special Awards at the 2014 Science & Engineering Fair of Houston

Senior Division 1	Kushal Kadakia	Heavy Metal Removal Using Fe ₃ O ₄ Nanoparticles III
Senior Division 2	Constantine Tzouanas	Terrific Tank Tuning
Ninth Grade Div.	Wittiker Schlauch	Extraction of Oil from Algae Using Dimethyl Ether
Junior High Div.	Isabel Johnson	Spectrophotometric Analysis of Fruit Juices

SAVE THE DATE FOR THE ANNUAL STS–AICHE HOUSTON SHIP CHANNEL TRIP

The STS-AIChE will once again journey down the Houston Ship Channel on the M/V Sam Houston at 6:00 Pm on Saturday, June 7, 2014.

Detail about the trip and information on registering for it will be provided on the STS-AIChE website after the monthly dinner meeting on May 1.

24th Annual North American Membrane Society Conference

May 31-June 4, 2014

Marriott Sugarland, Texas

PRE-CONFERENCE WORKSHOPS

May 31- June 1

Membranes for Gas Separations

Membranes for Water Treatment

Emerging Membrane Materials and Manufacturing Methods

Membranes for Fracking Applications

Polymeric and Inorganic Membrane Materials and Membrane Formation

VENDOR EXHIBITION

In parallel to the technical program there will also be an exhibition that provides vendors the opportunity to showcase their products to conference participants.

MEETING DEADLINES

March 31 Abstract Submission

May 7 Meeting Registration

May 9 Sugar Land Marriott Town Square Reservation
6090 City Walk, Sugar Land, TX 77479
(281) 275-8400

Meeting co-chairs:

DR. CHELLAM SHANKAR



DR. FELECIA M. NAVE



PRAIRIE VIEW
A&M UNIVERSITY

PLENARY SPEAKERS



GEORGES BELFORT

Rensselaer Polytechnic Institute
Thoughts from a Career in
Membrane Science and Technology



LARRY COSTA

General Electric Power and Water
Innovative Membrane Technologies
for Tough-To-Treat Waters

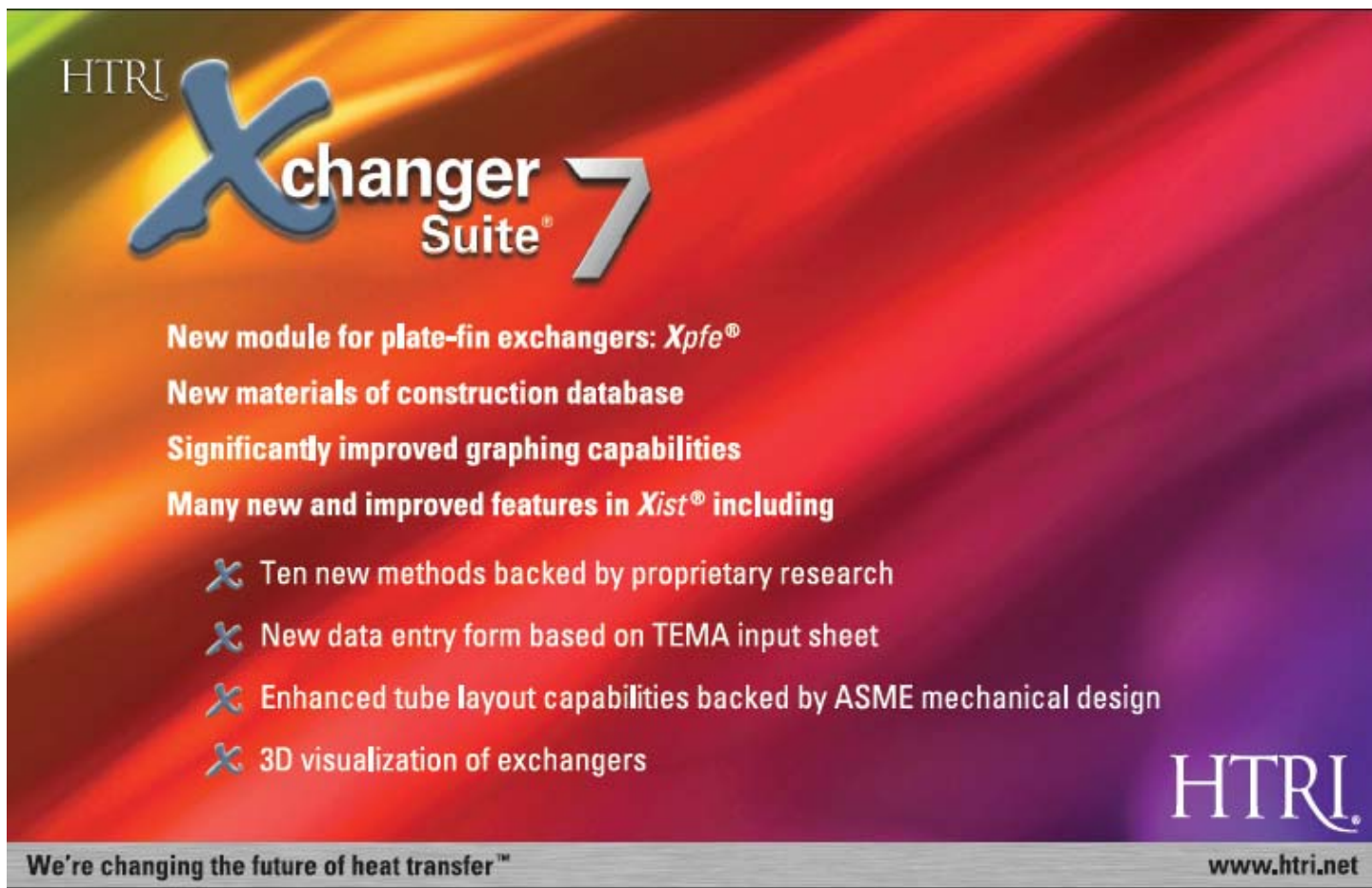


ANDREW L. ZYDNEY

The Pennsylvania State University
Membrane Filtration of Viruses -
New Challenges in Bioprocessing

The technical program also includes a poster session and sessions on gas separations, energy applications, water and wastewater treatment, forward osmosis, bioreactors, novel materials, pervaporation, to name a few, as well as sessions designed specifically for students and young professionals.

Registration information at
www.membranes.org/2014

The advertisement features a vibrant background with diagonal streaks of orange, red, and purple. In the top left, the HTRI logo is displayed. The main title 'Xchanger Suite 7' is prominently shown, with a large blue 'X' and a grey '7'. Below the title, several 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, a dark grey banner contains the slogan 'We're changing the future of heat transfer™' on the left and the website 'www.htri.net' on the 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 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.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.

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
ThomasMenn@SBCGlobal.net
Tel: 281-485-3719

Ryan Stephens
Westhollow Technology Center
3333 Highway 6 South
Houston, TX 77082
Ryan.stephens@shell.com
Tel. 281-544-8447

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:

	<u>MEMBERSHIP</u>	
	<u>AICHE</u>	<u>STS</u>
Note: At least 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 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.

Four STS Members Honored For 50 Years Of AIChE Membership At April 2014 Monthly STS Dinner Meeting

Ron Darby, Leo Durbin, Joel Olener, and Jerry Sacks were recognized for 50 Years of AIChE Membership at the April 3, 2014 STS Monthly Dinner Meeting held at Pelazzio Banquet Halls.

Ron Darby



Ron Darby (C) accepts his 50 Year AIChE Membership Certificate from 2014 STS Chair Carol Schmidt (L) while 2014 AIChE President Otis Shelton (R) looks on.

Ron Darby – Ron received his BA and BSChE (1955) and PhD (1962) in Chemical Engineering from Rice University. While in college, he worked for Shell Oil Company. In 1962, Ron held an NSF Post Doctorial Fellowship at Cambridge University in England. He then joined LTV (1963 – 1965) prior to beginning a teaching career at Texas A&M University in 1965. He has also consulted for approximately 50 different companies since 1969. Ron retired from Texas A&M in 2001 as Professor Emeritus of Chemical Engineering, but still does consulting in fluid mechanics and relief systems design. He has held visiting professorships in Germany, Australia, and Denmark. Ron has authored two books and over 85 papers. He is a Registered Professional Engineer in Texas.

Ron also served our country aboard US Navy destroyers in the Pacific from 1955 to 1958, and then served 30 more years in the Naval Reserve, having retired with the rank of Captain in 1992.

Ron is a Fellow of AIChE and has served the South Texas Section as Executive Committee Position 2 (1985, 1987, & 1996), Secretary (1988), and Chair (1998). He also chaired the 1996 Process Plant Safety Symposium. He has received the STS Best Paper Award eleven times and the 2003 STS Distinguished Service Award.

Ron was the 2003 Spring National Meeting Program Chair (New Orleans). He has been a Session Chair and Speaker at many national meetings and has been a member of the SACHE Committee since 1994.

Ron has two children, a daughter who teaches business/management at Juniata College in Pennsylvania, and a son who supervises the sports programs for the Parks and Recreation Dept. in Boise, ID. He has one 15 year-old granddaughter who was born in the Ukraine.

Ron recently relocated to a new retirement community, and is enjoying life. His current interests include consulting on fluid mechanics and relief valve stability, reading, and lobbying for conservative values.

Leo D. Durbin

Leo D. Durbin – Leo received his BSChE from Texas A & I in 1957 and his PhD from Rice University in 1961. He is a Senior Member of AIChE.

After receiving his PhD, Leo joined the Chemical Engineering Department of Texas A&M teaching undergraduate theory courses in process dynamics and control for 38 years beginning in 1961. He built and maintained a process control lab for undergraduate students in the department that started with pneumatic instruments and ending with PC-based control. He also supervised graduate students. Leo served as program chairman and chairman of the Texas A&M Instrumentation Symposium for the Process Industries. He also edited and co-edited its "Proceedings" for over 38 years. In addition, Leo has published 40 papers.

Leo is an ISA Life Senior Member, has served as Associate Director, Director-Elect and Director of the ISA Automatic Control Systems (ACOS) Division. As the ACOS delegate, he spearheaded ISA contributions to the American Automatic Control Conference. Serving as ISA vice president for the education department, He promoted significant achievements with respect to a career film

and, brochure, curriculum guides, Accreditation Board for Engineering and Technology membership, interactive video disc development, and training programs. He is a recipient of the International Society of Automation (ISA)'s Donald P. Eckman Education Award.

Leo and his wife are the proud parents of three sons, one with Lubrizol Specialty Products; another a Vice President of ATEC; & another a producer with Comcast Sports; and are beaming over their three grandchildren. He is an avid gardener.



Leo Durbin (C) accepts his 50 Year AIChE Membership Certificate from 2014 STS Chair Carol Schmidt (L). Also pictured is 2014 AIChE President Otis Shelton.

Four STS Members Honored For 50 Years Of AIChE Membership At April 2014 Monthly STS Dinner Meeting (Continued)

Joel L. Olenor



Joel Olenor (3rd from Left) accepts his 50 Year AIChE Membership Certificate from 2014 STS Chair Carol Schmidt (L). Also pictured is 2014 AIChE President Otis Shelton (R) and 2012 AIChE President David Rosenthal.

Joel L. Olenor – Joel received his Bachelor of Science in Chemical Engineering in 1964 from the Polytechnic Institute of Brooklyn in Brooklyn, New York, and a Master of Science in Industrial Management in 1966 also from Brooklyn Poly. He is a Senior Member of AIChE.

Upon completion of his education, Joel joined Eastman Kodak Company (Rochester, NY). He then joined Sterling Drugs and was involved in the production of aspirin. Joel then joined Occidental Chemical Corporation. He then worked for various consulting firms including DNV Consulting, Acutech Consultants, and PSRG Consultants, Inc. Joel is now the President of Process Safety & Security International LLC.

Joel has 1 patent and has authored 1 technical paper. He belonged to the AIChE Student Chapter while at Brooklyn Polytech. He is a member of the Board of Directors of Auditing Roundtable (Environmental, Safety & Health Auditors) and the

Board of Directors of Board of Environmental, Health, & Safety Certification.

Joel and his wife are the proud parents of a daughter and son. They are even prouder of their 2 granddaughters and 2 grandsons.

Jerry D. Sacks

Jerry D. Sacks – Jerry received his Bachelor of Science in Chemical Engineering in 1964 from the University of Texas. He is a Senior Member of AIChE and registered as a Professional Engineer in Texas.

After receiving his BSChE at UT, Jerry joined Monsanto Company at their Chocolate Bayou Plant (Alvin). After working in Monsanto's Process Control Group for five years, he joined Associated Computer Services and soon became a Partner. Jerry and two fellow ACS Partners formed Systems Applications Engineering in 1971 and currently is the President.

Jerry has 1 process control patent, 9 Data Processing Related (Voice Recognition) patents, and has authored 3 technical papers. He belonged to the AIChE Student Chapter while at UT serving as Student Chapter President in 1963. Jerry also served as a member of the STS Annual Technical Meeting Committees in 1965 and 1966. He serves on the STS Executive Committee in Position 3 in 1968/69 and as Young Members Chair in 1969. Jerry served



Jerry Sacks (C) accepts his 50 Year AIChE Membership Certificate from 2014 STS Chair Carol Schmidt (L) while 2014 AIChE President Otis Shelton (R) looks on.

as the Secretary of the 1974 Spring National Meeting Local Arrangements Committee. He was also very active in the Houston Junior Chamber of Commerce and was awarded a Life Membership.

Jerry and his wife are the proud parents of a daughter and are very proud of their grandson. Jerry enjoys weekends with his family at the farm near Gonzales and attending UT Football games.

K12 Volunteer Opportunities

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

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

IEEE [http://www.ieee-houston.org/Committees/SAC/Brochure IEEE%20Houston_7_Oct_2007.pdf](http://www.ieee-houston.org/Committees/SAC/Brochure%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 mklodne@tceq.state.tx.us.

2014 Offshore Technology Conference:

The 2014 OTC will take place May 5 to 8 at Reliant Park, Houston, Texas. Volunteers will receive Free OTC Pass*, complimentary Parking* with in/out privileges, and all the free goodies/junk you can carry away! In return, OTC Volunteers agree to attend an Orientation Meeting & serve 4 or 5 hours in either Arrangements, Registration, or Student Tours. (* *Pass & Parking are good for entire OTC.*)

The OTC Staff has released the link for use to volunteer as an OTC Conduct Committee Volunteer. To obtain this link and for any questions, please contact Tom Menn via e-mail at thomasmenn@SBCGlobal.net.

Volunteering as an ISWEEP judge

The chapter is asking for volunteers to help serve as judges in the International Sustainable World Energy Engineering Environment Project Olympiad, or **ISWEEP** for short. ISWEEP is basically a science fair open to high school students from around the world with a focus on helping to create a more sustainable future. The event will be held at the George R. Brown Convention Center in downtown Houston from Wednesday, April 30 through Monday, May 5. Judges are needed for two sessions on Saturday, May 3:

1. Morning Session: 9:00 AM to 1:00 PM
2. Afternoon Session: 2:00 PM to 5:30 PM

If you would like to volunteer, please register on their website (<http://www.isweeep.org/participate/judge.html>) to participate as a judge.

Call For Volunteers:

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

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

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

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

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

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

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

South Texas Section to Initiate Company Liaison Program

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

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

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

Responsibilities and benefits are listed in the table below.

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

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

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

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

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Saudi Aramco



9:25AM

**PIONEERING ADVANCES IN RESEARCH
TO SHAPE THE FUTURE OF ENERGY**

5:25PM

**PIONEERING UNCHARTED
TERRITORY BENEATH THE WAVES**

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Join a multidisciplinary team of R&D professionals providing research and consulting services at Saudi Aramco. Work on a wide range of R&D pursuits. Utilize state-of-the-art facilities to develop groundbreaking technologies in petrochemical areas using hydrocarbon as feedstock. Investigate advanced petroleum fuel formulations for next-generation combustion engines. Analyze properties of reservoirs using nano-scale robots. (Resbots™). Collaborate with leading scientists at the Saudi Aramco Research & Development Center and around the world through its global R&D network. Beyond work, enjoy a flexible schedule that offers a chance to explore the wealth of activities in Saudi Arabia. Saudi Aramco provides a work-life balance and a chance to do it all.

Visit us at the AIChE Annual Meeting.

DREAM BIG at www.Aramco.Jobs/AIChE



South Texas Section AIChE

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

2014 Officers and Contact Information

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Chair Elect Kelly Richardson
sts-chairelect@aiche.org

Past Chair Gary Gildert
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sts-secretary@aiche.org

Treasurer Ven Pinjala
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John Middleton

Membership: David Silarski

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

Awards: Tom Menn

SOUTH TEXAS SECTION MISSION STATEMENT

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

Vision 2014

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

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

— SUBSCRIBE/UNSUBSCRIBE INFORMATION —

Our newsletter subscription list is by invitation only.

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

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

— MAINTAIN YOUR CONTACT INFORMATION WITH STS —




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

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

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

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

Contact the New York office for PERMANENT ADDRESS CORRECTIONS:

 xpress@aiche.org
 1-800-AIChE (1-800-242-4363)
 AIChExpress Service Center
3 Park Avenue
New York, New York 10016-5991

The South Texan Newsletter Crew

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

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

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