

**Special Notes**• **NEW LOCATION!!**

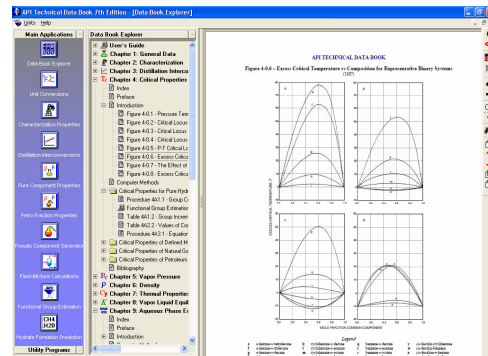
- ExComm Meeting 4:30 PM
- No Workshops this month
- Networking 6-7 PM
- Dinner 7 PM
- Speakers 8 PM

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Monthly Meeting February 2, 2006**Guest Speaker: Todd J. Willman, P.E., Epcon International****Topic: Build Confidence in Using Thermodynamics with API Tech Data Book**

Abstract: Todd Willman will demonstrate how you can quickly know the correct application of thermodynamic and physical property methods in your process simulation analyses using the API Tech Data Book, 7th Edition. Learn how to get quick access to industry standard procedures to correctly apply thermodynamic methods for chemical and refinery applications based on 40 years of research and development by the industry's leading experts in physical properties. Examples of how to check the accuracy of simulation flash and property results using the API Tech Data Book will be presented. New technical content in the 7th Edition will be reviewed including research results for sulfur-containing compounds and improvements in aqueous phase solubilities.



Over the past 7 years, the API Tech Data Committee in cooperation with EPCON has undertaken an aggressive re-mastering and re-development of the API Technical Data Books that now includes over 20 programs and a rigorous 3-phase flash engine to provide accurate property simulation capabilities. The 15 chapters and over 1200 pages of the API Data Book are now available in searchable PDF format along with software programs that implement 130+ of the recommended API physical property and thermodynamic methods. **Some API Technical Data Committee members will be in attendance to answer your most challenging questions for application of thermodynamics in process simulation analyses.**

This edition of the API Technical Data Book was designed to provide a convenient cross-check of simulation thermodynamics and property methods and improve the consistency and accuracy of these calculations within an organization. The API Technical Data Committee and the API Data Book development has been funded by BP, Bechtel, Chevron, ConocoPhillips, Fluor, Foster Wheeler, KBR, Marathon, Shell, and Sunoco. **Those attending will receive a 6 month trial license of the API Technical Data Book compliments of the American Petroleum Institute.** Reserve your spot now to learn about this significant industrial consortium effort to help you get your simulation results right.

Bio: Todd Willman received a BS in Chemical Engineering from Miami University and an MS in Industrial Management from Georgia Tech. He has participated in DIPPR for the past 10 years. He has overseen the software development at EPCON International for 25 years including products for physical property data & flash/mixture calculations, flowsheet simulation, fluid flow simulation, flare header simulation, pressure relief valve analysis, equipment sizing & costing, and equipment specifications.

**See Page 3 for information on the February meeting location!****There are no workshops this month.**

Dinner Meeting Registration Information

Complete your reservation online at:

<http://www.sts-aiiche.org/reservations/sts-aichereservations.htm>

You may also **cancel a reservation** using this link.

Or call (713)-295-4847 to make reservations until 4:00 PM Tuesday January 31.

The cost of the dinner is \$22 with reservation, \$24 without, 1/2 price if student, retiree, or unemployed. Payments are not (yet) accepted online. We hope to see you there!

Attendees of the Dinner Meeting will earn 1 PDH for the Texas Professional Engineer Continuing Education Programs. Remember to track your hours!

ExComm Meeting

The Executive Committee will meet from 4:30 PM to 6 PM prior to the monthly meeting.

The New Location! Sheraton Hotel Brookhollow, Loop 610 and 290.

The Thursday, February 2 meeting will once again be held at the Sheraton Hotel Brookhollow, located at Loop 610 and 290. To use your own mapping program for exact directions, the address is 3000 North Loop West Freeway, Houston, Texas 77092. The phone number is (713) 688-0100.

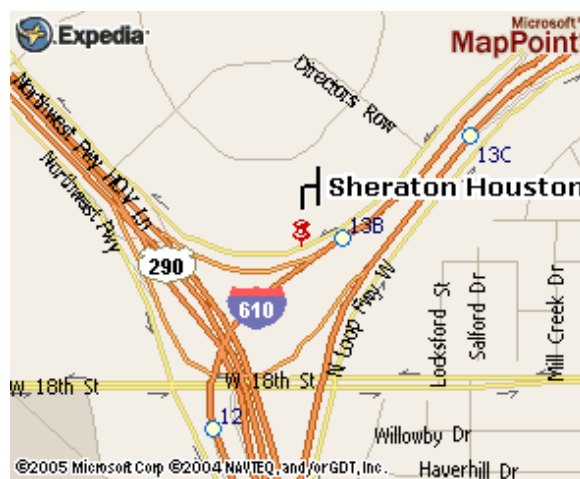
Sheraton offers the following driving directions:

From Katy (West): Take Interstate 10 East to Loop 610 North. Take the T.C. Jester Exit and make a U-turn under the freeway. Stay on the access road, and the hotel is less than 0.5 miles on the right.

From Beaumont (East): Take Interstate 10 West through Loop 610 once. Then take Loop 610 North and exit at T.C. Jester. Make a U-turn under the freeway and stay on the access road. The hotel is less than 0.5 miles on the right.

From William P. Hobby Airport: Take I-45 North for approximately 20 miles to Loop 610 West. Take the T.C. Jester Exit and make a U-turn under the freeway. Stay on the freeway access road for 0.5 miles, and the hotel is on the right.

From IAH: Take Interstate 45 South to Loop 610 West. Follow Loop 610 West to the T.C. Jester Exit. Stay on the freeway access road for 0.5 miles, and the hotel is on the right.



Process Safety -- Whose Job Is It, Anyway?

The **March 2 Process Safety Forum** is your chance to be part of the solution in addressing what chemical engineers can and should do to prevent the occasional reoccurrence of major process loss of life and property where they work. What are the problems, what works, and what are the ethical responses to recognized hazards?

Spread the word of this opportunity to share information. For those of you in management and in responsible charge, see that your experiences are shared and your people informed. To participate, attend the meeting. To help with the program, contact Jack Chosnek at JC@knowledge1.net.

2006 Southwest Regional Student Conference

The University of Houston AIChE student chapter will host the 2006 AIChE Southwest Regional Student Conference April 7-9th 2006.

The Regional Student Paper and Chem-E-Car Competitions will be held immediately after the Saturday BBQ. Students from each visiting university prepare entries and the winners travel to AIChE's Annual Meeting to compete against the first place winners in AIChE's eight other regions for the top national Prize. For more information, contact Elizabeth Ngyuen at 832.722.2000 or email enguyen6@uh.edu.

Thank you to Tommy John, 2005 Chairman

On Thursday, January 12th, Tommy John received the South Texas Section - AIChE Chairman's Appreciation Award Plaque as a symbol of the appreciation of the STS members for his service as our 2005 Chairman.

Currently serving as STS Past Chairman, Tommy has also served as a member of the STS Executive Committee in 1997 as well as two National Meeting Local Arrangement Committees. Tommy is President/CEO of Tommy John Engineering, Inc. The plaque was presented by 2006 Chairman Larry Chriswell at the January Dinner Meeting.



Larry presents the award to Tommy



Tommy John and Larry Chriswell

An advertisement for HTRI Xchanger Suite. The background is a vibrant, abstract design with orange, red, and purple wavy lines. In the top left corner is the HTRI logo. The main text reads "Xchanger Suite" in a large, stylized font. Below this, a paragraph describes the software as an integrated suite of tools for heat exchanger and fired heater design, mentioning its compatibility with process simulators and physical property packages via CAPE-OPEN. A yellow starburst graphic in the top right corner says "CAPE-OPEN Compliant!". The website "www.HTRI.net" is listed at the bottom left.

HTRI Xchanger Suite

HTRI Xchanger Suite® – an integrated, easy-to-use suite of tools that delivers accurate design calculations for heat exchangers and fired heaters along with several useful utilities. The suite interfaces with many process simulators and physical property packages either directly or via CAPE-OPEN.

CAPE-OPEN Compliant!

www.HTRI.net

Process Safety -- Whose Job Is It, Anyway?

The March 2, Process Safety Forum is your chance to be part of the solution in addressing what chemical engineers can and should do to prevent the occasional reoccurrence of major process loss of life and property where they work. What are the problems, what works, what are the ethical responses to recognized hazards.

Vital Links

Main South Texas Section site: <http://sts-aiche.org>

National AIChE website: <http://www.aiche.org/> (Needs Flash Plug-in)

Earn CEP credits at AIChE functions: http://www.sts-aiche.org/Texas_PE_CEP_Rule.html

Download the CEP log form: http://www.sts-aiche.org/xls/STS-AIChE_CEP_Log.xls

Update your contact information: <http://sts-aiche.org/memberinfo.htm>

Previous Newsletters (PDF format): <http://sts-aiche.org/newsletter/newsletter.htm>

Link to THIS newsletter: http://sts-aiche.org/newsletter/news_06/news0206.pdf

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Calendar of Upcoming Events

Mark your calendars! Upcoming meeting dates are:

March 2, 2006	Location: Brady's Landing
April 6, 2006	Energy Forum at Brady's Landing
May 4, 2006	Awards night
June, 2006	Host National AIChE Leadership Conference

Obituary - Edwin Lee Ekholm

The South Texas Section mourns the loss of a dignified comrade. We present this obituary that was published in the Houston Chronicle on 1/4/2006.

EDWIN LEE EKHOLM died January 2, 2006 following an extensive illness. Ed was preceded in death by a brother, Albert; his survivors include his wife, Elsie Marie Ekholm; his brother, James Phillip Ekholm and wife, Vicki, of Houston; his daughter, Karla of San Francisco, CA; his sons and families: Edwin Lee Jr., wife Carol, and children, Brian and Kevin, of Plymouth, MI; Ian Jack, wife Sandra Lo, and children, Lani and Mei Mei Lo, of Sacramento, CA. Ed was born June 28, 1925, in Strawn, Texas, to Victor and Esma Rice Ekholm.

He attended Arlington High School and received his BSChE from Georgia Tech in 1946. After two years in the U.S. Marine Corps, he joined the staff of Humble Oil & Refining Co. in Baytown. In 1957, with three colleagues, Ed left Humble to form The Pace Company, one of the early consulting firms in refinery and chemical technology. Today, it is part of the Jacobs Engineering organization. In 1962, he became Technical Director of Union Texas Petroleum Corp., assisting in Allied Chemical's switch to petrochemical technology.

In 1966, a major move into engineering/construction took him to the Bechtel Corp. where he served in management positions both in the USA and overseas until 1983. In "retirement," Ed set up a private consulting practice where he was advisor to the Pyrite Canyon Group, was involved in the Stringfellow Superfund Steering Committee, consultant to EndoEnviroment, and a member of Clean Sites, Inc. As a Professional Engineer (reg. TX, LA), Ed was the recipient of a number of awards: Fellow, AIChE; Founder's Award; and the Gary Leach Award. In 2004, the AIChE South Texas Section established the "Ed L. Ekholm Award for Distinguished Leadership" to honor Ed for his many years of service to the AIChE, particularly the South Texas Section. The latter award is presented every three to five years to honor demonstrated continued leadership on behalf of the AIChE.

Ed's efforts to assist fellow Chemical Engineers during difficult employment times, as well as in maintenance / advancement of their engineering skills, will long be remembered by his friends in the Chemical Engineering "fraternity". In lieu of flowers, contributions may be directed to the "AIChE Ekholm Leadership Award", care of Mrs. Elsie Ekholm, 13042 Memorial Dr., Houston 77079.



2005 Annual Awards Nomination Form (Page 1 of 2)

It's nearly awards time! Use this form to nominate a member for the Distinguished Service Award, or the Best Fundamental or Applied Paper Award. Print out this page, complete it, and mail to one of the addresses shown.

AN ONLINE VERSION OF THIS FORM IS COMING SOON! We will let you know when it is available.

South Texas Section – AIChE 2005 Annual Awards Nomination Form

THIS NOMINATION FORM MUST BE RECEIVED BY MARCH 31, 2006 TO BE ACCEPTED!

Mail the completed form to:

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

or
Chen Ramachandran, Ph.D.
Shell Global Solutions US
Westhollow Technology Center
P. O. Box 4327
Houston, Texas 77210
281 - 544 - 7589
281 - 544 - 7817 (Fax)
chen.ramachandran@shell.com

281-485-3719

ThomasMenn@SBCGlobal.net

Once the nomination is submitted, you will receive an email from the STS Awards Committee confirming receipt of the nomination.

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

NOMINATOR'S NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

TELEPHONE NUMBER: (____) _____

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: _____

CITY: _____ STATE: _____ ZIP CODE: _____

TELEPHONE NUMBER: (____) _____

EMAIL ADDRESS: _____

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

_____ 2005 STS Distinguished Service Award (Over age 35)

_____ 2005 STS Best Fundamental Paper Award

_____ 2005 STS Best Applied Paper Award

For STS Distinguished Service Awards, please provide an additional page stating the reason you feel that this person is deserving of this award. Mail the completed form and recommendation to one of the addresses above. Electronic submissions are accepted.

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

2005 Annual Awards Nomination Form (Page 2 of 2)

Please enter the name of the 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 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.

Once the nomination is submitted, you will receive an email from the STS Awards Committee confirming receipt of the nomination.

From the Editor

I hope that you survived the holiday season and New Year holiday without too much stress and strife. Perhaps you had some time off and were able to forget about work issues for a while. But by now, we are all back at work - the traffic sure shows that. It was nice during the holiday season (except around shopping centers!). Time has forged on whether we like it or not.

We are missing a couple of things in this issue. I don't have room for my monthly links, and there are no workshops this month. Yet we are still 8 pages! Two of them (this one included) are the Nomination Form for the 2005 STS Awards. Even though our trade publications are getting thinner and thinner each year, there are still some fabulous articles published. Perhaps you've read one this year - nominate it! As long as at least one author is an STS member, the paper is eligible. Perhaps you've had contact with an STS member at a workshop or dinner, and believe they deserve a Distinguished Service Award.

Of course none of us do this for the accolades. All the officers, volunteers, and organizers are involved because we love our profession. We realize the value that AIChE brings to our careers. We all strive to make this organization everything that each member expects it to be. Receiving input from our members makes this an easier task.

Are we living up to your expectations? Are you getting what you need from our organization? If not, why not? Have you told us about it? If you're not involved because you just don't want to be, that's fine. But if there is something we can do to get you to our meetings, let us know. It's hard to fix something if we don't know it's broken.

As always, we welcome your comments and suggestions - on the newsletter, meetings, workshops, speakers, the dinner, the location, events, anything.

Susan Cannon, Editor

SusanCannon119@aol.com or newsletter@sts-aiiche.org

Submit an article or idea! Include your name and contact information (phone, email, or fax). Anonymous submissions will not be accepted. Your company name may be omitted if you prefer. Entries may be edited for length and content (grammar, punctuation, etc.).

The Engineering Development Network News

January 2006



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A photograph of industrial equipment, including large vertical pipes and horizontal pipes with valves, set against a clear blue sky. One of the vertical pipes has a green arrow pointing upwards with the text 'OVER RET.' below it.

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A photograph of a refinery at night, with various distillation columns, pipes, and structures illuminated by artificial lights against a dark blue sky.

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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 2008

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

1. Increasing awareness of the South Texas Section of the AIChE
2. Improving relevancy of our programs
3. Improving our governance
4. Hospitality/Welcome/Social

The South Texan is issued monthly, except June, July and August, by the American Institute of Chemical Engineers, South Texas Section. Opinions expressed are those of the authors and not of AIChE. The newsletter is published electronically.

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Our newsletter subscription list is by invitation only. This prevents spammers and others from blindly signing up for it.

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Update your Profile (Let us know what email format you require): Click on the link at the bottom of any newsletter you receive.

Unsubscribe: Click on the link that is supplied at the bottom of any newsletter you receive.

—— MAINTAIN YOUR CONTACT INFORMATION WITH STS ——

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

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

To update your information, log in, then select Member Directory.

Select the link to View/Update Your Online Directory Listing.

Contact the New York office for PERMANENT ADDRESS CORRECTIONS:



xpress@aiche.org



1-800-AIChemE (1-800-242-4363)



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The South Texan Newsletter Crew

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

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



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Houston, TX 77023-1486
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mkolodne@tceq.state.tx.us

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