

# The South Texan

2003 Marx Isaacs Award for Outstanding Large Section Newsletter

Voted "Best Newsletter" at 2009 AIChE Leadership Development Conference



## Meeting Sponsors



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Monthly Meeting December 3, 2009

Location: Spaghetti Warehouse (Downtown)

**This month's meeting sponsors are TLV and VMG, Inc. Thanks for your sponsorship!**

We welcome spouses and family to this fun event, with entertainment by [Celebrity Mystery Theater](#). Join us for a night to remember as we kick off the holidays with a mystery dinner! The event will be from 6 PM to 9 PM.



Space is limited, so make sure that you register early, before we have to post this event as full.

This meeting is organized by the Young Professionals Group, so we are offering a discount price of \$20 for YP-Members who pre-register. The price for all other pre-registered participants is \$25. In the unlikely event that the dinner is not sold out in advance, the price will be \$30 at the door.

In addition to prizes for solving the mystery, prizes will also be given for the following categories:

- \* Most spirited outfit/costume.
- \* Best matching couple
- \* Person/table with the most revelry

We would like to thank our sponsors, TLV and Virtual Materials Group, for underwriting part of the cost of the December meeting. Their contributions help us to keep registration prices down so we can enjoy this holiday dinner together!



Register today! <http://www.sts-aiche.org/register.php>.

**\*YP members:** Be SURE to use the dropdown list on the item page in the shopping cart to select "YP Member: Yes" or you will not receive the discount!

## Meeting Registration Information

Membership in STS-AIChE is a bargain at \$20/year. If you wish to become a member, you may join through our secure online shopping cart (please use the provided link).

	Pre-Registration	At the door
Regular	YP members*	(All)
\$25	\$20	\$30

\*YP members: Be SURE to use the dropdown list on the item page in the shopping cart to select "YP Member: Yes" or you will not receive the discount!

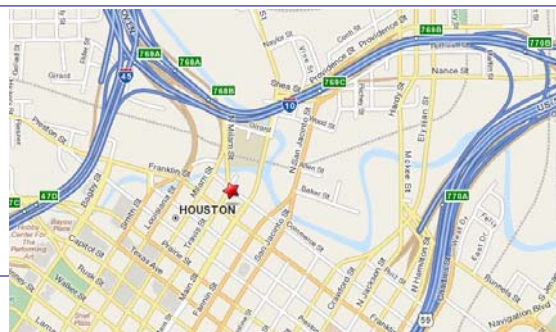
**NOTE:** You have until 4 PM the day before the meeting to pre-register online. After that, you will be required to pay the higher cost at the door.

Register now using our online shopping cart: <http://www.sts-aiiche.org/register.php>.

**Our shopping cart requires the use of COOKIES.** If you have cookies turned off, you may get a "session timed out" error. Please refer to the FAQ page in the shopping cart for details on how to turn cookies on.

## Meeting Location—Spaghetti Warehouse

This month's meeting will be held at [Spaghetti Warehouse Downtown](#) (901 Commerce St. Houston, TX 77002) Double click on the map to the right for directions from your location.



## Future Meetings

Date	Sponsor	Location	Dinner Speaker Topic	Comments
January 7, 2010	URS	Brady's Landing	Greenhouse Gas Emissions – Mark Lockhart	
February 4, 2010	Shaw Energy & Chemicals	Marriott Westchase		
March 4, 2010		Brady's Landing		Energy Forum

## Volunteers Needed—2010 OTC

The 2010 Offshore Technology Conference will be held 3-6 May at Reliant Park. The South Texas Section is scheduled to chair the 2010 OTC Arrangements Conduct Committee.

Volunteers will receive a complimentary OTC registration and a free parking pass (good for the entire OTC) for attending an orientation meeting the week before (to pick up badges and parking passes) and for contributing about four hours time to the Arrangements Conduct Committee during the OTC.

For information contact: Thomas E. Menn, P.O. Box 458, Pearland, Texas 77588-0458. Tom's phone number is 281-485-3719 and his e-mail address is

[thomasmenn@SBCglobal.net](mailto:thomasmenn@SBCglobal.net).

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\*Certain restrictions apply.



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## 2009 Shining Star Award

### 2009 AIChE Shining Star Award – Susan Cannon

Susan Cannon was recognized at STS-AIChE's November Joint Monthly Dinner Meeting with the Society of Plastics Engineers' Local Section for receiving the 2009 AIChE Shining Star Award for serving as Newsletter Editor for three years and taking on the additional job of STS Webmaster at which time she instituted the current local section meeting registration/fee prepayment system.

As a recipient of this award, Susan received a plaque and an expense paid trip (\$1000 max) to the Spring National Meeting, the Leadership Development Conference, or the Fall National Meeting. Susan elected to attend the Tampa Spring National Meeting this past April. "It's not surprising, since Tampa is her hometown." At the AIChE Leadership Development Conference this past June, a display was set up showing off newsletters from around the country and our newsletter, *The South Texan*, was voted Best Newsletter by the attendees.

**Background:** *The AIChE Local Sections Committee and Career and Education Operating Council has created a new annual award program designed to recognize outstanding volunteerism at the AIChE local section level and will hopefully act as incentive for others to become more involved in local section activities. In addition to receiving a certificate of recognition, the award recipient (s) receives a free registration and expenses paid (up to \$1000) to the Spring National Meeting, the Leadership Development Conference, or the Fall National Meeting.*



Susan Cannon receives her 2009 AIChE Shining Star Award from Tom Menn, Awards Coordinator for the STS-AIChE.



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## 50 Year Award Presented

### EDWARD JAMES (JIM) MORRIS RECEIVES 50 YEAR MEMBERSHIP CERTIFICATE

Edward James (Jim) Morris was recognized at the STS-AIChE's November Joint Monthly Dinner Meeting with the Society of Plastics Engineers' Local Section for having been an AIChE Member for more than 50 Years.

Jim is a native of New Orleans, grew up in Kenner, La., attended Tulane University for two years, and transferred to LSU where he received his BSChE in 1957. After graduation, he joined Celanese's Chemical Division Clarkwood Research Center (Corpus Christi). He was one of two pilot plant engineers who designed, built, and supervised operation of the pilot plant that produced the first commercially evaluated Celcon Polyacetal engineering thermoplastic and was a member of the design team of three engineers that designed the first 17 million lb/yr semi-works plant for Bishop, Texas, expandable in the second phase to 34 million lb/yr.

Jim held several positions with Celanese before leaving in 1966 to join Commonwealth Oil and Refining Co. of Puerto Rico after which he joined Ethyl Corporation as Product Manager for Linear Alcohols and by-products. He then entered graduate school at LSU in the evenings while working full time at a local engineering firm that served area chemical and refining operations. In 1975, he received his MSChE from LSU and joined Ciba-Geigy as a project engineer that year and continued through 1977 after which he worked for several small engineering firms in the Baton Rouge area.

In 1980, Jim joined Brown & Root as a staff manager in Houston and then worked as a consultant during the mid 80's. In 1987, Jim joined Jacobs Engineering Group as a process and senior process engineer, retiring after 13 years of service at age 65 and worked briefly as a consultant at Process Consulting Services on several FCCU debottleneck and crude/vacuum unit fractionation designs in 2000 and 2001.

Jim's STS-AIChE involvement includes serving as:

- \* Process Engineering/Plant Operations Workshop Chair from 1999 thru 2001,
- \* STS Executive Committee Position 3 (Education) in 2002-2003, Editor of the STS Newsletter "The South Texan" for two years, during which time the National AIChE awarded STS the best newsletter for a large section in 2003,
- \* STS web-site Webmaster.
- \* He also managed the transition of the printed newsletter to a new publisher when the old publisher closed, and aided in the transition to an all electronic newsletter, which he started when he became webmaster in 2001.
- \* Jim initiated the concept of short symposia preceding the monthly meeting with held three very successful Distillation Symposia in 2003, 2004, and 2005.
- \* In 2005, Jim was awarded the STS Gary Leach Award for service to the local chapter.
- \* Jim also was extensively involved in the only ATM held in 2003, ran automated registration on the website, did publicity with other neighboring sections, recruited three refinery technology speakers, and prepared meeting programs and displays.



Jim Morris receives his 50-year Membership Certificate from Tom Menn, Awards Coordinator for the STS-AIChE.

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## Business Etiquette Tip of the Month

"Business Etiquette Tip of the Month" by <http://clubetiquette.com/>

Feeling lost in the crowd? Remember, Eleanor Roosevelt's quote, "No one can make you feel inferior without your consent." Proactively introduce yourself to someone new. Take responsibility for keeping the conversation going. Remember to state your first and last name when making an introduction.

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**Heat Transfer Research, Inc. (HTRI)**, a global engineering research and development consortium—with over 1000 members and affiliates—conducts application-oriented research and uses this proprietary research data to develop methods and software for the thermal design and analysis of heat exchangers and fired heaters.

**—IMMEDIATE FULL-TIME OPENING—  
PROJECT ENGINEER,  
ENGINEERING SERVICES**

**Principal Responsibilities**

- Perform engineering analyses, including analyzing root cause of industrial heat transfer equipment operating problems, as well as reviewing proprietary prototype heat transfer product designs
- Develop workshops, short course materials, web-based tutorials, and other training products
- Respond to technical inquiries related to HTRI software and methods; prepare technical documentation to assist members in using/interpreting HTRI technology
- Identify and solicit experimental, analytical, software development, and consulting work
- Respond to requests for contract and consulting quotations; prepare proposals
- Identify potential products to complement and leverage HTRI's existing technology

**Minimum Qualifications**

- BS in Chemical or Mechanical Engineering and 5 years' industrial or consulting experience
  - Professional Engineer (P.E.) license (individual will be expected to obtain Texas P.E.)
  - Excellent communication skills (oral and written), including proven ability to write technical reports and develop/deliver formal presentations
  - Strong organizational and multi-tasking skills
  - Willingness to travel domestically and internationally
- Prefer candidates with experience using HTRI software. Individuals with less experience will be considered for a position as a technical support engineer.

**—IMMEDIATE FULL-TIME OPENING—  
INSTRUMENTATION TECHNICIAN—  
EXPERIENCED**

**Principal Responsibilities**

- Construct, operate, and maintain pilot-scale research units
- Diagnose and troubleshoot unit malfunctions
- Install, calibrate, maintain, and test instrumentation and control systems
- Set up and operate gas chromatograph and other laboratory test equipment
- Perform industrial safety, environmental, and hygiene activities to ensure regulatory compliance

**Qualifications**

- High school education
- Five years' experience installing and calibrating valves, flow meters, thermocouples, pressure/flow transmitters in a plant (chemical, petroleum, petrochemical, power)
- At least one additional trade skills: industrial electrical installation/troubleshooting, use of machining tools, and process equipment operation/maintenance
- Working knowledge of data acquisition systems
- Proven ability to read process flow diagrams and detailed drawings of mechanical equipment

This physically demanding job requires strength, stamina, and the ability to work on multistory platforms, as well as in "close spaces."

*Individual must have authorization to work in the United States.*

Submit résumés and letters of application detailing relevancy of work experience to

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Heat Transfer Research, Inc.  
150 Venture Drive • College Station, TX 77845  
SBD@HTRI.net • www.HTRI.net



EOE/DFW/HV

## STS-AIChE 2008 Annual Awards Announced at October Meeting (Continued from Nov)

Eight STS members were honored at the October Monthly Meeting in Galveston for their achievements in 2008. Congratulations to all the winners!



### 2008 STS Best Applied Paper

The 2008 STS Best Applied Paper is "Synthesis of High Aspect-Ratio Carbon Nanotube 'Flying Carpets' from Nanostructured Flake Substrates", Cary L. Pint, Sean T. Pheasant, Matteo Pasquali, Kent E. Coulter, Howard K. Schmidt, and Robert H. Hauge, *Nano Letters*, 2008, 8 (7), 1879-1883. [Cary Pint and Matteo Pasquali receive the award from Tom Menn at the October meeting.](#)

### 2008 STS Best Fundamental Paper

The 2008 STS Best Fundamental Paper is "Observing Metal-Catalyzed Chemical Reactions *in Situ* Using Surface-Enhanced Raman Spectroscopy on Pd-Au Nanoshells", Kimberly N. Heck, Benjamin G. Janesko, Gustavo E. Scuseria, Naomi J. Halas and Michael S. Wong, *Journal of the American Chemical Society*, 2008, 130, 16592-16600. [Kimberly Heck and Michael Wong accept the award from Tom Menn at the October meeting.](#)



### 2008 STS Work Shop Programming Award

The 2008 STS Work Shop Programming Award recipient is [Jack Chosnek](#) of KnowledgeOne for his continued work in the Process Safety Management Workshop.

### 2008 STS Outstanding Young Professional Award

The recipient of the 2008 Outstanding Young Professional Award is [Yoojung Kim](#).





## 2008 Awards Continued

Charles A. (Mickey) Reeves Receives 2008 South Texas Section Distinguished Service Award

Charles A. (Mickey) Reeves was presented the 2008 South Texas Section Distinguished Service Award at STS-AIChE's November Joint Monthly Dinner Meeting with the Society of Plastics Engineers' Local Section.

Mickey received his Bachelor Science in Chemical Engineering from West Virginia Institute of Technology in 1978 and his Master of Chemical Engineering from the University of Houston in 1986.

His first job was with The Standard Oil Company (Sohio) at their Toledo Refinery. In 1982, Mickey and his wife Lorianne moved to the Houston area after he accepted a job at Texas City Refining, Inc., which later became Phibro Energy. Mickey held various jobs in his refining career ranging from process engineering and operations planning to refining operations supervision and health, safety and environmental. In 1994, with the guidance of Ed Ekholm, Mickey made a career switch into consulting, joining The IPC Company. From here, he migrated to Pace Consultants and Jacobs Engineering, where he is currently the Director of Process Engineering for the Jacobs Houston office.

Mickey has been active in AIChE since his college days. He was treasurer of his student chapter at West Virginia Tech, and his company liaison at Sohio when he was a member of the Toledo Section. Upon moving to the Houston area, Mickey became active in the South Texas Section through the young members group. Since then, he has held the following Section positions:

- Membership Chair (1985? To 1991)
- Executive Committee Position 3 (1991)
- Secretary (1994?)
- Chair-elect, Chair, and Past Chair (1998-2000)
- Fellows Nomination Committee (present)

Mickey also was the General Arrangements Chair for the 2000 Spring National Meeting.

Mickey is a cyclist, having done the 172 mile Houston to Austin MS-150 ten times. He is looking for donations for the 2010 ride in April! In addition, he was committee chairman for Pack and Troop 696 (Bay Area Council) for about 5 years (son is an Eagle Scout) and was Cub Master for a year.

Mickey and his wife Lorianne reside in Friendswood. They have one son, Alexander, who is a sophomore at Worcester Polytechnic Institute studying Electrical and Computer Engineering.



Mickey Reeves receives the Distinguished Service Award from Tom Menn, Awards Coordinator for the STS-AIChE.

## Polyolefins 2010, The International Conference on Polyolefins

The South Texas Section of the Society of Plastics Engineers (SPE) , along with:

- \* The Flexible Packaging Division
- \* The Thermoplastic Materials and Foams Division
- \* The Polymer Modifier and Additives Division

proudly present **Polyolefins 2010, The International Conference on Polyolefins.**

It will be held February 21-24, 2010 at the Hilton Houston North Hotel.

Complete information and call for papers may be found at

<http://www.spe-stx.org/PolyolefinsConference.htm>.



## Sponsor Recognition

The STS extends a huge thank you to all of the sponsors for our meetings. Our October and November meetings were sponsored by bp and Victrex, respectively.



Walt Wundrow (BP) receives the October 2009 Meeting Sponsor Plaque from Todd Willman, Chair of the STS.



Bill Pernice and Alan Woods of Victrex receive the November 2009 Meeting Sponsor Plaque from Tom Menn, Awards Coordinator for the STS.

## Coming Up in January! Process Development Workshop

The Process Development Workshop on Business Etiquette by Ms. GiGi Lewis is designed to benefit both senior executives and young professionals (YPs).

This interactive and laughter-filled presentation will cover essential etiquette dos and don'ts, including common faux pas when on the subjects of formal introductions, business cards, dressing for success, client meetings, awkward moments, company parties and meals, etc.

Ms. Lewis is the National Founding Director of [Club Etiquette](#) and has been teaching social and business etiquette since 1995. Please join us on January 7, 2010 and don't forget to bring in your business cards for your chance to win a free Dining Etiquette session sponsored by Club Etiquette.





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## Local Member's Contribution to the Profession

### *Young Professional, Bharthwaj Anantharaman*

After dedicating four-and-a-half years to research and seven months to writing, Dr. Bharthwaj Anantharaman has recently published a book entitled, *Catalytic Partial Oxidation Reaction Mechanisms: Commercial Application to Industrial Ethylene Epoxidation*. The book targets chemical reaction engineers and can be used as a reference with commercial and economic application.

Dr. Anantharaman's passion for engineering began at the tender age of five, while learning algebra from his father. With a mathematician as a father and a mother who is a chemistry teacher, it is clear his enthusiasm for math and science runs in the family.

In high school, Dr. Anantharaman kept his studies on course to pursue engineering in college, taking classes that prepared him for an entrance exam. His hard work and studies paid off when he, after attending the Indian Institute of Technology Madras (IITM), came to the U.S. in 2000 to attend the Massachusetts Institute of Technology (MIT) on a President's Fellowship. He obtained his Bachelor of Technology in Chemical Engineering from IITM and a Ph.D. in Chemical Engineering from MIT.

He enjoys learning about different cultures and is dedicated to educating employees about them - he was a key player in planning the recent IMPACT Diversity Day at KBR in Houston. He also enjoys Houston and its climate, which allows him to play tennis year-round.

Dr. Anantharaman is active in professional associations and participates in Offshore Technology Conferences (OTC) and International Society of Automation (ISA) annual meetings, as technical session moderator and reviewer. Dr. Anantharaman has presented research talks at American Institute of Chemical Engineers (AIChE) technical conferences and has published papers in scientific journals. Recently, he was elected as a member of the Sigma Xi Honor Society in Houston.

Dr. Anantharaman's book can be viewed and/or purchased on <http://www.amazon.com>.

He may be contacted directly at [Bharthwaj.Anantharaman@kbr.com](mailto:Bharthwaj.Anantharaman@kbr.com).

(NOTE: The following is a selection of questions that were asked of Dr. Anantharaman by KBR for the inter-company newsletter)

**Do you get the opportunity to work on major projects and feel like your input is valued? Explain.**

Yes, I get the opportunity to work on major projects and I feel that my input is valued by process engineers as well as clients. I feel that my input on the process design of vents, steam and condensate systems are valued.

**What skills did the real world at KBR teach you that college did not prepare you for?**

The real world at KBR taught me how to work on large teams, interact with clients, and perform engineering design of large projects.

**How can KBR continue to attract and retain young talent such as yourself?**

KBR can promote technology development, in addition to engineering design, to attract young people with advanced degrees. KBR is a market leader in several areas, and can further nurture the talent of young people by involving them in creative and innovative technologies, in addition to engineering design. I personally have benefited from both types of work at KBR. Though the core business of KBR is engineering design, having a flavor of both technology and engineering helps the professional growth of young talented people.

(The text and photo of this article are used with permission from KBR—Ed.)



## STS Volunteer Opportunities

**General considerations.** It would be great if AIChE had an implantable chip to distribute to members giving them instant chemical engineering expertise. Unfortunately, AIChE National says that's a long way off. Additionally, thinking back to engineering school, if we wanted to learn to be an engineer, we had to go to class and do homework. As STS members, we can benefit from attending meetings, from networking, and from reading CEP, but even greater benefits are the experience and the contacts that come from being an active volunteer.

At STS, we have a number of opportunities to volunteer and grow. You can exercise your current skills or learn new skills. You can ask for and choose a job you want (would enjoy doing). Your volunteer job can help prepare you for a paid job. Others will be happy to assist you in learning and performing it. We want you to succeed and grow. We have found that if you do something you enjoy, you'll do well. It's a win-win situation, for you and for us. This is also an opportunity to try a new opportunity, to see if you like it, and to do so without risking your current job.

**PEPO Chair** – Our current PEPO Chair is about to be promoted (to Section Chair), and would be happy to train his PEPO successor. An excellent opportunity for a technically oriented person. Keep up with what's hot in your field. You can develop a focus group of colleagues to help you identify the "hot topics" in your field, and the meeting topics that will yield a good turnout. This is also a good job growth opportunity, as you will meet & impress the speakers by good preparations for the talk, and most speakers are managers with hiring authority.

**K-12 Outreach Committee.** An excellent opportunity for engineers who want to work with others. You can experience different ideas and methods in educational outreach, and help AIChE plan the upcoming STS K-12 outreach program. Interface with AIChE (national) SIOC, work with other technical people, with other local societies, with students and parents, and with teachers. Other people have already developed the outreach activities. We can provide contacts in school systems, contacts with various local outreach programs, pre-developed activities, and examples of outreach in other local sections. For now, you get to show up for a day, get the experience, and report back to us at AIChE. If and when you like, you can try out some of your own ideas. The contacts, experience, and understanding you have developed will help your own program to succeed.

**Custom-Designed Opportunities.** If you'd like to get involved, but none of these opportunities is close enough to what you want, contact the STS Volunteer Recruiter (me), and we'll try to design an opportunity to meet your individual needs. It has been done successfully in the past.

**If you're interested contact our STS Volunteer Recruiter, Matt Kolodney, [mkolodne@tceq.state.tx.us](mailto:mkolodne@tceq.state.tx.us).**

## 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](mailto:mkolodne@tceq.state.tx.us)) with one-page descriptions of their K12 outreach experiences, what worked well and what didn't. These will be reviewed locally and passed on to the AIChE National K12 program. Some local K12 opportunities are listed below.

**HUNCON** – Feb 20-21, 2009 (Fri/Sat) – @ UH Downtown. For the Greater Houston area. HUNCon includes teachers, administrators, students, parents, and technical professionals. Organized by HUNSTEM (Houston Urban Network for Science, Technical, Engineering, and Math Education). A DOD-funded consortium. Preregistration encouraged. The HUNCon web site <http://hunstem.uhd.edu/HUNCon> has extensive information on the conference, including a schedule and abstracts and speaker bios.

**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%207%20Oct%202007.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](mailto:mkolodne@tceq.state.tx.us).



## Chemical / Engineering Opportunities (C/EO)

**Are you unemployed and looking for work?** The STS provides a service that finds engineers work.

Since it began in 1983, Chemical/Engineering Opportunities (C/EO) has provided more than 1,000 chemical engineers and chemists to chemical manufacturing companies, analytical chemical laboratories, environmental firms and process design firms seeking such individuals to meet their technical needs.

C/EO is sponsored by South Texas Section of the American Institute of Chemical Engineers. The charter of the committee is to facilitate the re-employment of chemical engineers in the Houston area.

Chemical engineers wanting to participate in C/EO must meet the following criteria:

- \* You are unemployed.
- \* You are a member of **both** the National AIChE and the STS Local Section. When you visit our office, have your membership card available.
- \* You must volunteer a minimum of 3 hours per week in the C/EO office, helping answer the phones, indoctrinate new Volunteers and, most importantly, help in the mailing of the Profiles.
- \* Volunteers must reside in the Houston Metropolitan area. Volunteers who fail to show are delisted.
- \* Provide addresses, phone numbers and contact names of 14 companies which typically employ chemical engineers or chemists. This ensures our database remains current.

For more information, please contact the C/EO Director, Jim Murphy, at [jrmurphy2@aol.com](mailto:jrmurphy2@aol.com). The C/EO page on the STS website is: <http://www.sts-aiche.org/ChemEngOpp.htm>.

The C/EO Office is located at:

c/o Halliburton Co. USA

10200 Bellaire Blvd., Suite BNW 3

Houston, Texas 77210

Telephone: (281) 575-4348

Fax: (281) 575-5258

## ioMosaic Presents.....

### Effective Emergency Relief Systems Design Training

ioMosaic has developed an Effective ERS Design course with the objective of offering operating companies, engineering firms and regulatory agencies with a structured and comprehensive training program for a wide range of ERS design, risk management and compliance issues. This program offers core modules plus a wide choice of electives directed towards more complex ERS design challenges and methodologies.

#### Practical Emergency Relief Systems Training

October 19 - 21, 2009 | ioMosaic Houston Office

##### **Overview**

The Practical ERS Design module serves as an ERS primer and focuses on industry codes / standards, regulatory requirements, ERS contingencies, calculation methodologies, and long-term ERS data management.

This two and a half day course will help process / safety engineers and managers better understand, plan and execute future ERS design work for plant projects such as PHAs, unit expansions, debottlenecking studies, etc.

#### Auditing Emergency Relief Systems Training

October 21, 2009 | ioMosaic Houston Office

##### **Overview**

The Auditing ERS module provides guidance on how to conduct efficient and effective ERS design audits to ensure compliance safety, and reliability. Special emphasis is placed on how operating companies can leverage past efforts to bring their existing ERS documentation into compliance.

This half day module will help process / safety engineers and managers achieve compliance and address potential discrepancies in their ERS documentation.

### Contact us for more information:

#### **ioMosaic Corporation**

2401 Fountain View Drive, Suite 850

Houston, Texas 77057

Tel: 713.490.5220 Fax: 832.553.7283

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## Memorial—Dr. Charles Holland

**Charles Donald Holland** October 9, 1921 – March 29, 2009

Dr. Charles Donald Holland, 87, of College Station passed away on Sunday, March 29, 2009, at Hermann Memorial Vitas Hospice Unit in Houston.

Charles D. Holland received a Bachelor of Science from North Carolina State University in 1943, and a Master of Science in 1949 and a Ph.D. in 1953 from Texas A&M University, all in chemical engineering.

He served on a destroyer in the Pacific Theater during World War II. He began his career in education as an instructor in chemical engineering at Texas A&M University in 1952 and moved through the ranks.

He was named professor and head of the Department of Chemical Engineering in 1964 and served in that capacity until his retirement in 1987. Dr. Holland formed the Texas Institute for Advancement of Chemical Technology (TIACT) in 1986 and served as president.

He continued to teach half of the time in chemical engineering at Texas A&M as a professor emeritus until Spring 2003. He had written seven textbooks and over 100 technical papers.

He was named "Fellow" of the American Institute of Chemists in 1975, the American Institute of Chemical Engineers in 1977, and "Council of Fellows" of Texas and Academic Authors. He was awarded the inaugural "Engineering Program Lifetime Achievement Award" by the College of Engineering, Texas A&M University, in 2000.

In 2004, the South Texas Section of the American Institute of Chemical Engineers presented the "Career Academic Achievement Award" to him for his lifetime contributions in modeling distillation processes.

He was born to the Rev. and Mrs. Charles Cyrus Holland of North Carolina on October 9, 1921. His wife of more than 55 years, Eleanor Holland, died in 1999.

Survivors include his three children, Mr. Thomas P. Fowler IV of Houston, Dr. Nancy Lee Holland of College Station and Mrs. Charlotte H. Jamieson and husband, Dr. Thomas V. Jamieson III, of College Station; a granddaughter, Mrs. Dawn J. Luza and husband, Mr. Charles E. Luza, of Tomball, Texas; great-grandson, Scott M. Luza of Tomball, Texas; great-granddaughter, Jennifer K. Luza of Tomball, Texas; a brother, the Rev. J.T. Holland, of Columbia, S.C.; and two sisters, Irene Shoemaker and Elizabeth Chapman of Charlotte, N.C.

In lieu of flowers, the family requests contributions may be made to the C.D. Holland Scholarship Fund in care of the Chemical Engineering Department, M.S. 3122, Texas A&M University, College Station, TX 77845, or a charity of your choice.

Please view and sign the guestbook at [www.hillierfuneralhome.com](http://www.hillierfuneralhome.com).

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*In addition to the honors bestowed on him that are listed, Dr. Holland received numerous "STS Best Paper Awards", far more than my records indicate and enough for me to have commented to him in jest that we were seriously considering using the "Sunday School Pin" approach for best paper awards in his case.—Tom Menn.*



### Vital Links

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

South Texas Section Young Professionals Group: <http://vp.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](http://www.sts-aiche.org/Texas_PE_CEP_Rule.html)

Download the CEP log form: [http://www.sts-aiche.org/STS-AIChE\\_CEP\\_Log.xls](http://www.sts-aiche.org/STS-AIChE_CEP_Log.xls)

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

Link to THIS newsletter: <http://sts-aiche.org/newsletter/news2009/news1209pdf>

# South Texas Section AICHE

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**Membership** David Silarski

**Young Professionals** Carol Schmidt

**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 2013

<<To be developed>>



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