



Austin and San Antonio Chapter of the Association of Energy Engineers



March 2006



Volume 1, Issue 2

INSIDE THIS ISSUE:

March Field Trip	2
March Featured Technology	2, 3
Presentations/Field Trips 2006	3
Excellence In Energy Award	3
Chapter Information	4
Meeting Information	4
Join Us!	5

ENERGY INDEX

- Energy 2006 Workshop and Exposition
Chicago, Illinois August 6-9, 2006
Information / Reservations
www.energy2006.ee.doe.gov
 - AEE Seminar
Building Commissioning Professional
San Antonio, TX May 1-5, 2006
www.aeecenter.org/seminars/
 - CPS Energy "livgreenfest"
Eisenhower Park San Antonio
19399 N.W.Military Hwy
April 8, 2006
www.citypublicservice.com
- Gulf Coast CHP Applications Center
presents "Energy For A New Generation"
Austin, TX April 20, 2006
www.gulfcoastchp.org
registration contact: Paul Bachmuth
512.322.6208 or
Paul.Bachmuth@austinenergy.com

A Note From The President

Greetings fellow AEE chapter members !

I would like to take this opportunity to thank all in attendance at our February meeting when Bruce and I presented the Energy Management Program at Northside ISD. We had an excellent turn-out with many new faces. Hope to continue to see the membership grow as the year progresses.

Our March field trip to IBM's SEL facility looks to be a huge success! I would like to take a moment to thank Linda Rickard for her hard work and diligence in setting up three separate tours in order to accommodate our member-



ships needs.

In January, our chapter sponsored the *Excellence in Energy Award* for the 2006 CHEACT Academic Fair. Read more about this award in this issue. A great example of our chapter's work with the community .

Plans are coming together for the April ASHRAE 62 Conference...can we go back to 5 cfm per person? Please make plans to attend this worthwhile and infor-

mative conference. The event will be a half day with a round table discussion/box lunch to wrap things up. Look for more information and sign up forms in the next few weeks.

In conclusion, I would like to thank all of our members for their continued support of our chapter and welcome those new members. The success and strength of the chapter resides in its members.

See you in Austin.

Sincerely,

Frank Thomas, CEM
Chapter President

Wow...What A Success!

Due to an overwhelming response to the scheduled March field trip to IBM, three individual tours over two days have been necessary. The tour dates and times are as follows:

Tuesday March 28th- Arrival Time 10:15 am, Tour begins at 10:30 am, Lunch at 11:40 am.

Wednesday, March 29th- Arrival Time 10:15 am, Tour begins at 10:30 am, Lunch at 11:40 am.

Wednesday, March 29th- Arrival Time 11:15 am, Tour begins at 11:30 am, Lunch at 12:40 pm.

The IBM Solutions Experience Lab is located in Building 904 at the IBM campus located at 11501 Burnet Road in Austin. Those of you traveling from the San Antonio area, allow plenty of travel time!

Lunch will be at the Texas Culinary Academy, 11400 Burnet Road, Suite 2100.

They offer excellent food at reasonable prices. Please check our website for additional information on both the tour and the menu offered at the Texas Culinary Academy.

Future tours may require a similar format when the numbers allowed per tour are limited. A big *Thank You* to Linda Rickard for blazing the way in coordinating multiple tours to accommodate our membership!



**IBM BLDG 904
SOLUTIONS EXPERIENCE
LAB**

IBM Solutions Experience Lab

The IBM Solutions Experience Lab in Austin, Texas is a one-of-a-kind showcase of IBM Industry Solutions, many of which were developed in cooperation with IBM Business Partners, customers and other solutions vendors. With venues

March Field Trip

ranging from a café to a hospital room, the Solutions Experience Lab stimulates innovative thinking by demonstrating thought provoking prototype and proof-of-concept solutions.

Customers and partners that tour the SEL, often in concert with the IBM Executive Briefing Centers in Austin, are exposed to various IBM technologies and

offerings that extend beyond the typical perception of conventional information technology. By introducing visitors to new ideas on cost savings, revenue growth and expanded business potential, the Solutions Experience Lab can help stimulate new business ventures for IBM, its clients and partners.

**IMAGINE A PLACE WHERE
DREAMERS SPECULATE
ABOUT THE FUTURE,
WHERE TECHNOLOGY'S
PROMISE BURSTS FROM
ITS CHRYSALIS, WHERE
CONCEPT MEETS REALITY,
AND THE BOUNDARIES OF
COMMERCIAL POSSIBILITY
BECOME VISIBLE.**



**PVC ADVANCED TECHNOLOGY
KITCHEN DEMONSTRATION
AREA**

A typical tour of the Solutions Experience Lab starts in the kitchen, where visitors can see technologies like portable wireless television, wireless home health care solutions, RFID tagging for drug interaction monitoring and Web service enabled home appliances. Visitors are challenged to envision how the same Service Oriented Architecture concepts that apply to traditional information technology can be applied in a machine-to-machine environment, all while using standards like XML and exploiting an Enterprise Service Bus. Moving on to the hotel/living room visitors are welcome to relax in a comfortable environment and watch IPTV, delivered from IBM servers to set-top boxes using IBM embedded processors, all being controlled by WebSphere

Tour Highlights

server software. Other solutions demonstrated in the living room include RFID technology using IBM WebSphere embedded software and voice technologies running on wireless handheld devices.



Moving on to the hotel/living room visitors are welcome to relax in a comfortable environment and watch IPTV, delivered from IBM servers to set-top boxes using IBM embedded processors, all being controlled by WebSphere server software. Other solutions demonstrated in the living room include RFID technology using IBM WebSphere embedded software and voice technologies running on wireless handheld devices.



The next stop in a typical tour uses the backdrop of a café and an automobile to show solutions designed to benefit the remote workforce. Demonstrations include location based tracking, voice enabled Web searches, vehicle tracking and remote mail, calendar and RSS access on a handheld device. An automated pen based solution, developed by IBM and Nokia, is used to illustrate how DHL experienced significant cost savings by implementing a seemingly simple solution.



Entering the hospital room we continue the health care scenario that was started

Tour Highlights—Continued...

in the kitchen, viewing the remote health care information we wirelessly transmitted to the IBM research laboratories in Zurich, Switzerland.

The hospital room also demonstrates other uses of

RFID technology, including FDA approved subcutaneous implanting.

The hospital room tour includes a real world example of IBM voice recognition technology being used to assist a

cardiovascular surgeon in the operating room and culminates with an example of voice technology being used, wirelessly, to access and input electronic medical records.



SEL HOSPITAL ROOM

Thank You Austin/SA AEE!

Standards of Excellence
100 Spanish Oak Circle
Georgetown, TX 78628
February 9, 2006

Austin-San Antonio Chapter of The Association of Energy Engineers
815 A Brazos St.
Austin TX 78701-2509

Attn: Frank Thomas and Linda Rickard

Dear Frank and Linda,

On January 27th at the CHEACT 2006 Academic Fair, the Austin-San Antonio Chapter of The Association of Energy Engineers sponsored an "Excellence in Energy Award". Linda, you spent a significant amount of time perusing and evaluating science projects for this award. Bless you for your commitment to excellence!

During the awards ceremony, she awarded the plaque to the science fair project that best demonstrated energy principles, promoted energy efficiency and renewable resources. The project selected: Samuel Birrell's "Radiant Barriers in Your Home" was a worthy recipient!

We are so appreciative of your commitment to education of future scientists as well as your generous community support. Thank you again for sponsoring this award! We are confident that TXAEE will continue to grow and flourish, encouraging young energy engineers of tomorrow, and promoting energy efficiency as well as renewable resources!

We pray that you will consider supporting CHEACT Academic Fair again next year through the "Excellence in Energy Award". It has been an honor to work with your dedicated staff!

Sincerely,

Viv Lynn
Director
2006 CHEACT Academic Fair

The letter to the left was presented to Chapter President Frank Thomas and Linda Rickard in appreciation of our chapter sponsoring the "Excellence In Energy Award" for the 2006 CHEACT Academic Fair which was held January 27th in Austin. The chapter would also like to recognize Linda for her judging this event and presenting the award. Looks like an annual tradition has been established. Please consider volunteering to assist in next years event!

TEXAS CULINARY ACADEMY LINKS:

[http://www.tca.edu/
map.asp](http://www.tca.edu/map.asp)

WHAT'S FOR LUNCH?

[http://www.tca.edu/
menu.pdf](http://www.tca.edu/menu.pdf)

Presentations/Field Trips 2006

The following speakers, presentations, and field trips are scheduled for upcoming meetings:

March: Field Trip—IBM—Austin

April: Chris Muller—ASHRAE 62 Conference—San Antonio

May: Jim Shoop—LEED Certification

October: CPS Energy Deely/Spruce Power Plant Tour

Do you have any ideas for future topics, speakers, or field trips? Please contact Bob Spiegial Rspiegel@ieee.org or Linda Rickard Linda.Rickard@AustinEnergy.com



VEHICLE TRACKING

Newsletter Comments? Contact Bruce Dschuden at brucedschuden@nisd.net



2006 Officers

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Linda Rickard	Programs	Linda.Rickard@AustinEnergy.com
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Our Mission:

- ◆ Advance the professional careers and the common purposes of its members. Facilitate networking, social exchange and training.
- ◆ Present and discuss energy, environmental topics, and members' ideas. Stay abreast of fast changing developments. Anticipate their future.
- ◆ Disseminate information to the trade and to the general public via meetings, publications, trade shows and presentations.
- ◆ Build an exciting, expanding chapter
- ◆ Cooperate with other AEE chapters and related organizations.
- ◆ Promote energy efficiency.
- ◆ Promote renewable resources

March Chapter Meeting

March 28 & 29, 2006

IBM Tour – Austin, TX

11501 Burnet Road

Building 904

Tuesday Contact: Linda Rickard

512-680-8837

Wednesday Contact: Dan Kahn

210-825-9068



