



# Austin and San Antonio Chapter of the Association of Energy Engineers



February 2007



Volume 2, Issue 1

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## ENERGY INDEX

- AEE On-Line Training Courses:

[The Basics of Energy Management](#)

[Building Energy Management](#)

[Fundamentals of HVAC Systems](#)

[www.aeecenter.org/training](http://www.aeecenter.org/training)

- Texas Renewable Energy Industries Association presents:

[NEC Compliance Guidelines for Small PV Systems](#)

Friday, March 30, 2007

Austin, Texas

Nancy Nielsen, Workshop Coordinator

[NinNielsen@aol.com](mailto:NinNielsen@aol.com)

## A Note From The President

Greetings fellow AEE chapter members !

Welcome to a new year! As we settle in to 2007, I would like to take this opportunity to thank Kathy Ferland of Texas Industries of the Future and Doug Burgess of Envinta for their outstanding presentation for our January meeting. An additional note of thanks goes to past president Frank Thomas for his effort and dedication to this past year...GREAT JOB!

For 2007 we hope to continue to improve and grow our chapter. We are moving ahead with a full slate of officers who are committed to bringing quality presentations, fieldtrips, and newsletter to you. Additionally, I present a challenge to you to provide input on potential presenters and interesting field trip opportunities. Feel free to contact Linda Rickard with your ideas and suggestions...she'll appreciate the input! Our newsletter has flourished for a year and is getting itself rooted. The in-



tent of this publication is to provide chapter information and highlight the upcoming meeting. For the new year, I would like to see some input from the membership too! We have such a diverse group...it would be great to have some of you tout your accomplishments or provide information on any interesting projects. Our meetings provide time for "networking" but many times due to schedules, etc. interaction time is limited, which is where I see the newsletter as an invaluable tool to share information with fellow members. One of the major "pluses" of being a member of a professional organization is the sharing of knowledge with colleagues...the newsletter

provides an excellent vehicle for us all to take advantage of.

It is also membership renewal time...dues for 2007 are currently being collected. Please make it a point to mail them in along with the membership form found on page 6, or even better, deliver them in person next week at our February meeting!

In closing, I would like to thank each and every one of you for your continued support of our chapter. I invite you to be involved, get those friends and colleagues to join us at our meetings to explore and share new and innovative ideas in energy engineering!

See you in San Marcos!

Sincerely,

*Bruce*

Bruce Dschuden, CEM  
Chapter President

[brucedschuden@nisd.net](mailto:brucedschuden@nisd.net)

## Welcome New Officers for 2007

Elections were held for 2007 Chapter Officers at our January 23rd meeting in San Marcos. We are moving into 2007 with all positions filled. The

framework is in place for another great year for informative presentations, field trips, and OUR chapter. Thanks to Bob Nelson for heading up the

nominations committee and getting members to volunteer for all positions! Please take a moment to review your officers listed on page 5.

## February Guest Speaker

### *Mark Krawczyk, PE, CEM*



Mark Krawczyk is a Facilities Engineer at Freescale's Oak Hill plant in Austin. He has 20 years of engineering experience including design, supervision and energy management. He joined Freescale in 1993 and served in a variety of roles supporting manufacturing operations in Austin. He was instrumental in driving Freescale's gross margin growth as the leader of Austin Utility Conservation Team in 2003-04 and Corporate Energy Team in 2006. Mark earned his BSME degree from Monash University in Melbourne, Australia.

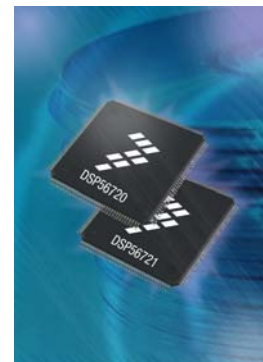


*"Since 2000, Freescale's two Austin semiconductor manufacturing sites and one large office complex have successfully implemented resource conservation technologies to reduce energy consumption by 115 million KWh."*

## February Presentation

Freescale has roots in the semiconductor business dating back to 1952. Until July of 2004 the company was the semiconductor unit for Motorola. The company was publicly traded on the NYSE FSL until December of 2006 at which time it de-listed in the largest leveraged buyout in the technology industry. Today Freescale has over 10,000 customers worldwide with annual sales in 2005 of \$5.8 billion. Freescale's two Austin semiconductor manufacturing sites and one large office complex have successfully implemented resource conservation technologies to reduce energy consumption by 115 million KWh. Freescale utility plant operations, facilities, environmental and process engineers have teamed together to implement numerous resource conservation projects. Freescale Austin has transferred resource conservation technology to other manufacturing sites worldwide through frequent collaboration of technical councils. Freescale's efforts reduce

the burden on the city's utility infrastructure and contribute significantly toward protecting the environment. These conservation efforts have reduced manufacturing costs, allowing Freescale to make products in an environmentally responsible manner.



## Presentations/Field Trips 2007

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

February: Energy Management Programs - Mark Krawczyk, PE, CEM; Freescale Semiconductor

March:

April:

Do you have any ideas for future topics, speakers, or field trips? Please contact Linda Rickard  
[Linda.rickard@austinenergy.com](mailto:Linda.rickard@austinenergy.com)

## Now being Accepted...Annual Dues!

Membership Dues for 2007 are now being collected. Annual chapter dues are \$20...quite the value when you consider all of the information, exposure to new technology, tours, and camaraderie with your fellow

professionals you receive!! Please complete form in this newsletter and bring it to the next meeting or mail in with payment to address noted on form.

## Understanding Engineers...Take Two

After experiencing "difficulties" with his telephone provider over a billing issue, the frustrated engineer finally wrote a check...but...had the last laugh!



Newsletter Comments? Contact:

Bruce Dschuden at [brucedschuden@nisd.net](mailto:brucedschuden@nisd.net)

Frank Thomas at [frankthomas@nisd.net](mailto:frankthomas@nisd.net)

## End of Year Bash 2006

Our end of year "Bash" and recognition ceremony was held on December 12th at the Quail Creek Country Club in San Marcos. In addition to good food and fellowship, members in attendance were presented with a "The State of Energy

Conservation: Texas and Federal" by Felix Lopez, who graciously filled in for Dub Taylor at the last moment. Awards and recognitions were also given out to President Frank Thomas, as well as to all Board Members for their service. Special

awards or recognition went to Webmaster extraordinaire, Bob Spiegel, and Linda Rickard for her continued dedication to our chapter. A great time was had by one and all...make sure to get it on your calendar early for 2007!





## 2007 Officers

Bruce Dschuden	President	<i>brucedschuden@nisd.net</i>
Frank Thomas	Past President	<i>frankthomas@nisd.net</i>
Mark Krawczyk	Vice President	<i>Mark.Krawczyk@freescale.com</i>
Karma Nilsson	Treasurer	<i>knilsson@cps-satx.com</i>
Felix Lopez	Membership (Austin)	<i>felix.lopez@cpa.state.tx.us</i>
Brian Keller	Membership (San Antonio)	<i>Brian.Keller@eeiengineers.com</i>
Frank Richards	Communications	<i>Frank.Richards@austinenergy.com</i>
Robert Spiegel	Webmaster	<i>Rspiegel@ieee.org</i>
Linda Rickard	Programs	<i>linda.rickard@austinenergy.com</i>
Sid Rodriquez	Scholarships	<i>isidro.rodriquez2@austinenergy.com</i>

### 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

*We're On The Web!!*

**[www.txaee.org](http://www.txaee.org)**

### February Chapter Meeting

February 27, 2007

11:00 - 11:30 AM - Social/Networking

11:30 - 12:30 - Lunch/Business/Presentation

Logan's Roadhouse - San Marcos, TX

512.805.8888

(See WebSite for Map)



# MEMBERSHIP INVOICE



Austin/San Antonio Chapter of the Association of Energy Engineers

<http://www.txaee.org>

\_\_\_\_\_ Date

**Local Chapter Dues for 2007**

**\$ 20.00**

Please fill out the following information.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Business Phone: \_\_\_\_\_

FAX: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Suggested Speaker Topic or Tour: \_\_\_\_\_

*Chapter meetings typically are held the 4<sup>th</sup> Tuesday of each month at 11:30 a.m. Location for the meetings is posted on the Austin/San Antonio AEE Web Site*

*<http://www.txaee.org/calendar.htm>. Look forward to informative, professional, and educational presentations in the energy field, plus field trips to various locations in Austin and San Antonio.*

Remit to: Austin AEE  
PMB 287  
815-A Brazos Street  
Austin, TX 78701-2509

*For inquiries regarding this invoice please contact:  
Felix Lopez (Austin) at 512-463-1080 or [felix.lopez@cpa.state.tx.us](mailto:felix.lopez@cpa.state.tx.us) or  
Brian Keller (San Antonio) at 210-496-3100 or [briank@eeengineers.com](mailto:briank@eeengineers.com)*

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