



Austin and San Antonio Chapter of the Association of Energy Engineers



January 2008



Volume 3, Issue 1

A Note From The President

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ENERGY INDEX

◆ CEM 5 Day Training Class and Exam

GLOBALCON - March 17-21, 2008

Austin, Texas

For more info:

www.GLOBALCONevent/seminars

◆ AEE Online Seminars

For more info:

<http://www.aeecenter.org/realtime>



March 19 - 20, 2008

Austin Convention Center

Greetings fellow AEE chapter members!

Welcome to 2008! I hope you had a great holiday season!

I would first and foremost like to thank our 2007 Chapter President, Bruce Dschuden for his outstanding leadership during this past year. Together with the work of the Board Directors and all of our members who actively participated at our meetings and events - this was truly a great year!

I am excited about the opportunity to lead this growing organization into another successful year. We have a new board of officers committed to bringing quality programs to you. I invite you to get involved by providing your ideas on interesting topics, speakers and fieldtrips.

The highlight of this year will be the Globalcon event hosted by Austin Energy, featuring the latest developments in the energy field and presentations by leading industry experts. It will provide



training opportunities including the CEM certification. It will also be an opportunity for the Chapter to gain more recognition in our community and build relationships with other organizations in our area. I invite you to get involved and support this event.

Our newsletter received the Chapter Recognition Award in 2007 and we will strive to make it even more valuable to you. We would like to get your input on what you would like to see and publish success stories from your energy projects.

This year we would like to increase our membership and get more participation from the corporate world. Please invite your friends and colleagues to join us to explore new ideas in energy engineering!

It is also time to renew your membership. Please mail your dues together with the membership form found in this newsletter or bring them to our next meeting.

Thank you again for your continued support. Get involved, volunteer and help us make a difference in 2008!

Sincerely,

Mark Krawczyk, PE, CEM

2008 Chapter President

Welcome New Officers for 2008

Elections were held for 2008 Chapter Officers at our December 11th meeting in San Marcos. We are moving into 2008 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.

January Presenter



Philip Carinhas, PhD.

Philip Carinhas is the President and CEO of Fortuitous Technologies, an Austin TX company. He has over 20 years experience in scientific-industrial computing, numerical analysis, and teaching experience on both the college and professional levels. He holds a Ph.D. in physics from the University of Wisconsin.

" Computing power consumption of companies has reached a critical point."

Green Computing

Green computing is a very hot topic these days, not only because of rising energy costs and potential savings, but because of the impact we make on the environment. Energy to manufacture, store, operate, and cool computing systems has grown significantly in the recent years, primarily due to the volume of systems and computing that companies now heavily rely upon.

Computing power consumption of companies has reached a critical point. An E-commerce business with 100,000 servers can easily spend up to \$20 million a year on server power. Add another \$10 million for a/c cooling and it tops \$30 million a year in power alone. Clearly there is a huge potential for savings in their infrastructure.

Despite the huge surge in computing power demands, there are many new technologies and methods by which significant savings can be made. This talk is dedicated to the ways a typical company can reduce their energy footprint while maintaining required levels of computing performance.

January Presentation

Fortuitous Technologies was founded in Austin Texas in the year 2000. Initially Fortuitous focussed on Linux, Unix, and network IT technologies. In 2004 Fortuitous began to focus on performance engineering, capacity planning, and scalable design for enterprise IT.

Fortuitous Technologies specializes in Performance Engineering and IT Products which include *Valeo* and *Servo* performance suites. Additional services rendered include:

- * Storage Services: SAN, DAS, NAS, and distributed storage design & optimization
- * Performance/Design/Modeling: performance engineering, systems design, and capacity planning
- * Administration & Support Services: Linux and commercial UNIX implementations
- * Unix/Linux Training: Unix and Linux administration and performance
- * Security Services: security auditing, firewalls, planning, and management

For additional information, visit Fortuitous Technologies on the web at:
<http://fortuitous.com>



<http://fortuitous.com>

CEM Program News

If you are a CEM and have not received or replied to the following letter sent out by Tim Janos, CEM Board Chairman; please take the time to do so. For those who hold this designation, you know the value...with feedback to Tim we will all have a useful tool to use in the future!



January 10, 2008

Dear Fellow CEM:

I need your help.

Like many of you I obtained my CEM (#2129) long ago, in 1984 in my case. Recently we issued CEM # 12495 bringing our numbers to more than 10,000 CEM's. I have had the honor of serving on the CEM Board for about 15 years and as CEM Board Chairman for about the last 10 years. I am currently semi-retired and thus less active in the day to day energy management business, but I still value the CEM designation and the effort I put forth in earning my CEM. Of course, like many of you, I just take it for granted and really don't give the value of Certified Energy Manager certification a thought.

While visiting AEE Headquarters in Atlanta last month Executive Director Al Thumann asked me to develop a list of benefits that we all derive from earning and maintaining our CEM's. I know that many organizations are aware of the qualifications that an individual with the CEM has and make this a hiring requirement. As Board Chairman I get many inquiries from "head-hunters" looking specifically for CEM's to fill job openings throughout the country.

About a week ago I received an inquiry from the head hunter for Siemens who had several openings and I asked her to send me the job descriptions. Each of the job descriptions specifically called out the CEM designation as a pre-requisite. I know that Johnson Controls and Honeywell/Novar highly encourage and/or require a CEM for many of their positions. I know that General Motors uses it for their Regional and Site Utility Managers.

Government at many levels makes the CEM a requirement. For example, Executive Order 48 signed April 2007 requires Virginia State Agencies with over \$1 million dollars in energy costs to have A Certified Energy Manager (CEM) on staff. I am sure there are many other such instances, but we don't have them collected in a central location.

So here is how you can help the AEE and the CEM program. Send me, via email, any of the instances that you are aware of wherein a CEM is required or highly suggested. We will compile the most comprehensive list possible and get it posted on the AEE website.

It is our belief this will offer many benefits for all of those involved in the CEM program. For example, if your company asks why you want funds to renew your CEM or why you believe your associates should get their CEM, you will be able to demonstrate the visibility and acceptance of the CEM program on a worldwide basis. If someone asks you why you have the CEM or the classic "What good is it?" question you will be able to clearly explain the benefits and respect the designation warrants.

If folks want to understand how credible the CEM really is all they need to do is look at the companies that consider it a requirement: General Motors, Siemens, Johnson Controls, Honeywell, etc.; or the many Federal Agencies, State and Local Governments that consider the CEM the true designation of competence.

By now I hope you have the idea of what we need. Please take a moment and reply to this email citing the places you know of where the CEM is required or suggested and where it really does make a difference. Help us help you maintain the distinction that the CEM Certification Program definitely deserves in the Energy Management Industry.

I look forward to receiving many responses from all of you and, just to add some motivation and urgency, I have been tasked with completing this by February 1, 2008. Did I mention that I need your help?

Sincere regards,

Tim Janos, CEM, CDSM, CDSP, BEP

CEM Board Chairman

Director of Special Projects

tjanos@aeecenter.org

Presentations/Field Trips 2008

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

January: Green Computing: Reduced Energy Footprint with Required Computing Performance

February: Field Trip: Refrigerator Recycling Center

March: GLOBALCON - Austin Convention Center

April: TBA

May: Geothermal Energy: It's Importance for Electrical Power Conservation
and Generation in an Energy Transitional Society

To Be Scheduled: Lighting Retrofits

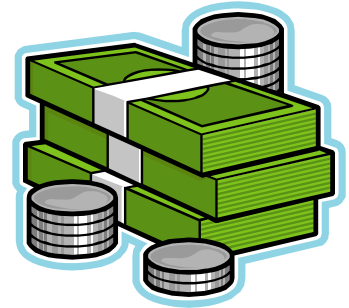
Do you have any ideas for future topics, speakers, or field trips? Please contact Linda Rickard

Linda.Rickard@AustinEnergy.com

Now being Accepted...Annual Dues!

Membership Dues for 2008 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 1

NEW LYRICS TO BEATLES SONGS - "YESTERDAY"

Yesterday,
All those backups seemed a waste of pay.
Now my database has gone away.
Oh I believe in yesterday.
Suddenly,
There's not half the files there used to be.
And there's a milestone hanging over me.
The system crashed, so suddenly.

I pushed something wrong,
What it was, I could not say.
Now all my data's gone,
And I long for yesterday-ay-ay-ay.
Yesterday, The need for back-ups
seemed so far away.
I knew my data was all here to stay,
Now I believe in yesterday.



Looking for a Change?? Check Out www.txaee.org "Job Positions"

Newsletter Comments? Contact:

Bruce Dschuden at brucedschuden@nisd.net

Frank Thomas at frankthomas@nisd.net



2008 Officers

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

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!!



January Chapter Meeting

January 22, 2008

"Green Computing: Reduced Energy Footprint with Required Computing Performance"

Grin's Restaurant

San Marcos, TX

512.392.GRIN



MEMBERSHIP INVOICE



Austin/San Antonio Chapter of the Association of Energy Engineers

<http://www.txaee.org>

Date

Local Chapter Dues for 2008

\$ 20.00

New Member

Renewal

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 4th 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 or
Brian Keller (San Antonio) at 210-496-3100 or brian.keller@eeiengineers.com*

Amount Paid _____
Method of payment _____
Check Number _____
Payment received by _____
Name Date