

ASSOCIATION OF
ENERGY ENGINEERS

Bay Area Chapter

NEWSLETTER

March 2006

Meeting Information
Tuesday,
March 28, 2006

AEE SF Bay Area Chapter Presents
Nuclear Power in the U.S.

Panacea for our energy woes? Two views from
the laboratory and academia.

6:00 – 6:45 p.m.
Appetizers and No-Host Bar

6:45 – 7:00 p.m.
Chapter Business

7:00 – 8:30 p.m.
Presentation

Location:
Scott's Seafood

Cost:
\$5 Members & Students
\$15 Non-Members

Reservations:
E-mail to carole@salasobrien.com or call Carole Pharr 408-282-1500 x213. **Please make your reservations by EOB Friday, March 24.**

President's Message

Now that the New Years glow is dimming, we can start to see what resolutions and changes are for real rather than ideal. In my opinion, this year will present more "crossroads" than the usual year of change and progress. One sign is the acknowledgement that we're "addicted" to oil and need to transition to alternative energy sources for both power generation and transportation fuel supply.

President's Message, cont.

As we surpass the third anniversary of the "war" in Iraq, 2006 is shaping up to be the make or break year for this geopolitical experiment in democracy and nation building.

The U.S. Court of Appeals for the District of Columbia has also temporarily slowed the attempts by the Bush administration to allow power plants and other industrial polluters to work around the Clean Air Act. By striking down this policy, the Court has put some teeth back in the New Source Review provision of the Act. As a recent NY Times editorial said, it's interesting to hear a branch of government say that "you cannot rewrite an act of Congress just because you do not like it."

On the AEE SF Bay Chapter front, we're starting off the year with a revitalized Board, acknowledgement of outstanding professional and student achievements, continued collaboration with other organizations on meeting topics, and initial planning on a revamped website. At our January Board meeting we, by consensus vote, fielded a great mix of sage veterans and newer members with fresh ideas. They are:

- President – Bruce Chamberlain (Energy Solutions)
- Senior Vice President – Joseph Ols (Ols Controls)
- Vice President - Sayed Ali – (LBNL)
- Secretary – Jim Kozelka (Chevron Energy Solutions)
- Treasurer – Steve Greenberg (LBNL)
- Newsletter – Leslie Kramer and Linda Stoll (HDR/BVA)
- Website Manager – John Clark (Conseil Engineering)
- Membership/Database – Steve Rottmayer (kW Engineering)
- Scholarships and Awards – Rory Moran (HDR/BVA)

President's Message Continued

2006 Board

President – Bruce Chamberlain
(510) 482-4420 ext 227

Senior Vice President – Joseph Ols
(408) 353-6564

Vice President – Sayed Ali

Secretary – Jim Kozelka
(415) 733-4526

Treasurer – Steve Greenberg
(510) 486-6971

Newsletter – Leslie Kramer/Linda Stoll
(415) 434-0900 ext. 146

Website Manager – John Clark
(510) 531-6107

Membership/Database – Steve Rottmayer
510-834-6420 ext 17

Community Involvement – Open

Scholarships and Awards – Rory Moran
(415) 434-0900 ext 144

Member At Large – Ed Spivey
(925) 299-8983

Interested in involvement?
Contact: Bruce Chamberlain
(510) 482-4420 ext 227

Corporate Sponsors

A special thanks to our Corporate Members. If you were a corporate member, you could have your card advertised (and on the web site too).



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President's Message, cont.

One of the first action items of the year was to submit our local 2005 Chapter awardees to the AEE International Call for Awards. AEE Awards are presented to energy professionals who have achieved international, national, regional, or local prominence in their fields. Best of fate to Loek Vaneveld (Engineer of the Year), Andy Green (Energy Manager of the Year), and Evan Mills (Renewable Energy Innovator of the Year). For a list and photos of the Chapter's other 2005 awardees, check out the chapter's website (www.aee-sf.org).

The Chapter also joined in the fun at the San Mateo County Science Fair and, together with the IEEE, judged and sponsored the awards. Thanks to Virginia Waik and Dan Hoffman (AEE) and Rosanna Lerma (IEEE) for taking the time to work with these star experimenters. I'm sure it was exciting meeting the thinkers who will shape our future. Take a look at the article in this month's newsletter for more details.

See you at the "Nuclear Power in the US" discussion on March 28th.

Bruce

Bruce Chamberlain, CEM
President, AEE Bay Area Chapter
bruce@energy-solution.com

IT'S SCIENCE FAIR SEASON!

The San Mateo County Science Fair Awards Ceremony

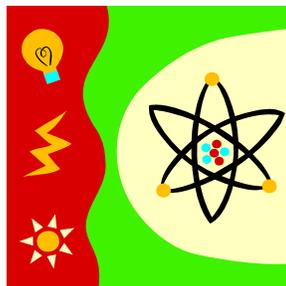
By: Rosanna Lerma, Institute of Electrical and Electronic Engineers (IEEE)
Virginia Waik, Association of Energy Engineers (AEE) San Francisco Bay Chapter

The San Mateo County Science Fair Awards Ceremony was held on Friday (Feb 10, 2006) at the Hiller Aviation Museum. Judging was completed in two stages with help from AEE volunteers Dan Hoffman, Virginia Waik and IEEE volunteer Rosanna Lerma. Tuesday the exhibits were reviewed to identify those students that the special judges wanted to interview. The following evening, teams of two judges interviewed the students to address technical aspects of their projects, assess their presentation skills as they answered questions related to the project background, scientific principals, and resources used during project development.

IEEE OEB and SCV sections joined forces with the Association of Energy Engineers San Francisco Chapter) to judge and develop the awards. Resources from AEE and IEEE totaling over \$260 were given to the following students for their understanding and application of science and engineering:

Heather Milestone	What it Costs to Boil Water
Stephen Harman	How Electric Clocks Keep Accurate Time
Cassie Cleave	Wind Energy
Danielle Hollywood	Waste to Energy Incineration
Maia Sighal	Harnessing the Wind
Makayla Karr- Warner	Solar Cooking
Natalie Greco	Artificial Sun
Greg Kahn & Stewart Farley	Laminar vs. Turbulent Flow
Unknown Student	Building a Magnetic Levitation Device

All prize winners received letters of congratulations which conveyed their prize along with information on AEE and IEEE, each organization's goals, and links to our scholarship programs. Complete abstracts of the projects can be obtained from the San Mateo County Office of Education. All of the projects were innovative and well done. The students were articulate, and conveyed their passion, curiosity, and organized approach to answering key questions in their chosen subjects. For those of you that have not tried it, science fairs are a great way to see how students in our counties are exploring and learning about engineering. It is a rejuvenating experience to watch the excitement of these students and their genuine interest in their projects. If you have never judged a science fair we encourage you to go out and get involved. It takes little time and your exposure to the thoughts and ideas of these students is truly invigorating.





Bay Area Chapter

AEE Bay Area Chapter serves as a unique forum for the discussion of energy issues and concerns. AEE Bay Area Chapter provides common professional meeting ground for facility managers, design and specifying engineers, utility and vendor representatives and energy researchers to participate in vigorous peer-to-peer dialogue, learning and group discussion.

AEE Bay Area Chapter strives to provide quality professional development opportunities that build knowledge and skills through meetings, seminars and publications. Emphasis is placed on:

- Assessing the applicability of emerging technologies, and
- Improving the performance and reliability of current technologies.

Meetings are typically held on the fourth Tuesday of the month. All interested persons are welcome to attend, participate and join the Chapter. If you are interested in joining the AEE Bay Area Chapter, you can contact Steve Rottmayer (510) 834-6420, ext. 17, or you can directly download a mail-in membership application from the AEE website at: <http://www.aee-sf.org/form.rtf> or <http://www.aee-sf.org/form.doc>

Do you know someone who might be interested in joining AEE Bay Area Chapter?

The benefits of joining include:

- Participating in exciting and informative programs
- Receiving a monthly newsletter containing information on meetings, events, and job openings
- Communicating with other energy professionals

For membership application:

Contact Steve Rottmayer (510) 834-6420, ext. 17

Membership applications may be downloaded from the AEE website at:

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or

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