

**February 2008**See us on the WEB at: <http://www.ewh.ieee.org/r2/susquehanna>**2008 National Engineering Week Celebration  
Banquet**

All members are invited to attend this year's Engineers Week Celebration Banquet sponsored by the Central Pennsylvania Engineers Week Council (CPEWC).

- Date:** Thursday, February 21, 2008  
**Time:** 5:30 p.m. – Social Hour (Cash Bar)  
6:30 p.m. – Dinner  
7:30 p.m. – Program  
**Location:** West Shore Country Club, Camp Hill, PA  
**Dinner Cost:** \$25.00, \$15.00 for students  
**Menu:** Entrée Choice of NY Strip Steak or Chicken Cordon Bleu served with tossed salad, side dish, rolls, beverages, and dessert. Vegetarian meal is available upon request.  
**Program:** Hybrid & hydrogen vehicle research  
**Presenters:** Dr. Joel R. Anstrom, Director, Hybrid & Hydrogen Vehicle Research Center, PA Transportation Institute  
**Registration:** For reservation and additional information, see the enclosed form.

your time slot.

**Directions**

The West Shore Country Club should be clearly shown on any Harrisburg area map. One route is to get on US 581 (which connects Interstate routes 81 and 83 on the west shore), and take the Camp Hill Exit, Route 11/15 North. Proceed on routes 11/15 and turn left on Brentwater Rd.

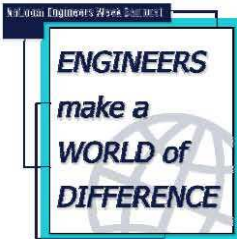
**Volunteer Needed**

The Central Pennsylvania Engineers Week Council is once again planning to set up activities and displays at the Whitaker Center in Harrisburg for Engineers Week, from February 16th-18th. Tables will be set up to display information and present hands-on activities which profile a number of different engineering professions. Volunteers are needed to attend at the display booths. All the volunteers need to do is helping with the activities and answering simple questions about engineering to students that stop by. We are in particular in need of volunteers for volunteers to man the IEEE booth. If you are willing and available, please contact Larry Brown ([lbrown007@comcast.net](mailto:lbrown007@comcast.net)) or Sue Benjamin ([sbenjamin@hersheys.com](mailto:sbenjamin@hersheys.com)) or by phone at 534-6512 to reserve

**IEEE Members Receive Several Awards**

It is a great pleasure to announce that several of our members recently received awards. The Central Pennsylvania Engineers Week Council recently announced that our section member AB Shafaye, Senior Instructor Penn State Harrisburg, obtained the Technical Achievement Award, and Robert Lee Horst of Peak Productivity USA and retired from Armstrong World Industries, Inc. received the Engineer of the Year award. Both will officially accept their awards at the 2008 National Engineers Week Celebration Banquet at the West Shore Country Club. In addition, Penn State Harrisburg's former graduate student Lakshmi P. Baskaran (now at Qualcomm Inc.), along with Aldo Morales and Sedig Agili both Associate Professors of Electrical Engineering at Penn State Harrisburg, received the Best Poster Award from the 2007 International Conference on Consumer Electronics for the paper "Transmitter Pre-emphasis and Adaptive Receiver Equalization for Duobinary Signaling in Backplane Channels". Congratulations to all of them!

Counties Served: Adams, Cumberland, Dauphin, Franklin, Juniata, Lancaster, Lebanon, Mifflin, Montour, Northumberland, Perry, Snyder, and York.



The Central Pennsylvania Engineers Week Council invites you to spend an evening with your fellow engineers as we celebrate Engineers Week and honor several outstanding individuals in the engineering community.

**Hybrid & Hydrogen Vehicle Research**

**Date:** Thursday, February 21, 2008  
**Time:** 5:30 p.m. Social Hour (Cash Bar)  
 6:30 p.m. Dinner  
 7:30 p.m. Program  
**Price:** \$25.00; Students \$15.00  
**Menu:** Entrée choice of NY Strip Steak or Chicken Cordon Bleu served with tossed salad, side dish, rolls, beverages, & dessert  
*(Vegetarian meal available upon request)*  
**Location:** West Shore Country Club, Camp Hill, PA  
**Presenter:** Dr. Joel R. Anstrom  
 Director, Hybrid & Hydrogen Vehicle Research  
 Center PA Transportation Institute

**About the Presenter**

Dr. Anstrom is the principal investigator of a PTI project in collaboration with the Penn State Office of Physical Plant (OPP), Centre Area Transit Authority (CATA), Air Products and Collier Technologies to demonstrate the operational reliability of a fleet of full-service vehicles that will be fueled by hydrogen and hydrogen/natural gas (HCNG) blend provided by the station.

The mission of the Hybrid and Hydrogen Vehicle Research Center (HHVRC) at the Pennsylvania Transportation Institute (PTI) is to promote improved vehicle efficiency and a renewable hydrogen economy by providing comprehensive vehicle system modeling and testing capability to automotive and hydrogen researchers, industry, and government. The HHVRC is committed to supporting hydrogen researchers at Penn State by applying PTI facilities and expertise to hydrogen transportation research projects.

For additional information visit the project website: [www.vss.psu.edu/index.htm](http://www.vss.psu.edu/index.htm).

**2008 National Engineers Week Celebration Banquet RSVP Form**  
*(Copy form as needed)*

Name \_\_\_\_\_

Phone \_\_\_\_\_

Entrée Choice:  NY Strip  Chicken Cordon Bleu  Vegetarian

Name \_\_\_\_\_

Phone \_\_\_\_\_

Entrée Choice:  NY Strip  Chicken Cordon Bleu  Vegetarian

Name \_\_\_\_\_

Phone \_\_\_\_\_

Entrée Choice:  NY Strip  Chicken Cordon Bleu  Vegetarian

Name \_\_\_\_\_

Phone \_\_\_\_\_

Entrée Choice:  NY Strip  Chicken Cordon Bleu  Vegetarian

Total # \_\_\_\_\_ @ \$25 / person = \_\_\_\_\_

Student # \_\_\_\_\_ @ \$15 / person = \_\_\_\_\_

Total Amount Enclosed \$ \_\_\_\_\_

Make checks payable to:  
 Central PA Engineers Week Council

Detach and mail RSVP along with payment by February 8, 2008 to:

Ronald J. Spacht  
 c/o Orth-Rodgers & Associates  
 4999 Louise Drive  
 Mechanicsburg, PA 17055

Please Note: *No phone RSVP's will be accepted. No refunds or cancellations after noon, Friday, February 15, 2008.*



## Second Central PA Symposium on Signal Integrity

Mark your calendars for April 8, 2008. Building on the success of last year's inaugural symposium on signal integrity, the 2008 symposium will feature internationally recognized speakers discussing a range of topics, including high-speed connectors and EMC radiation. This will be an opportunity to hear about the latest developments in signal integrity from international experts and to exchange ideas. Signal integrity vendors will be also participating to show the latest test equipment. Please note that our IEEE Section is sponsoring this event. More information will be forthcoming in the next newsletter. For more information, contact Brenda Firestone ([blf3@psu.edu](mailto:blf3@psu.edu)), (717)-948-6538), Dr. Aldo Morales ([awm2@psu.edu](mailto:awm2@psu.edu)), or Dr. Sedig Agili ([ssa10@psu.edu](mailto:ssa10@psu.edu)). For more information, please go to the Symposium's website at <http://php.scripts.psu.edu/dept/iit/cl/set/SignalIntegrity/>

## Volunteers Needed

CPEWC Region 3 Technology Student Association (TSA) Conference will be held at Cedar Cliff High School on Saturday, February 9, 2008. The school is located at 1301 Carlisle Road in Camp Hill. The conference begins at 8:00 AM and ends at approximately 3:00 PM. Judges are needed in many areas such as communications (oral and written), Construction, drafting, problem solving, computers, photographic design, video, and electronics. Breakfast and Lunch are provided for all judges. Please contact Heather Arnold, Coordinator of Judges about your interest, availability, and questions. Heather can be reached at [HLM6886@comcast.net](mailto:HLM6886@comcast.net), 717-975-9022 (home), or 717-756-5589 (cell).

### Useful Information Column

#### Susquehanna Section Chair

Aldo Morales  
Telephone: 717-948-6379  
FAX: 717-948-6352  
E-mail: [awm2@psu.edu](mailto:awm2@psu.edu)

#### Vice Chair (Programs)

Sedig Agili  
Telephone: 717-948-6109  
E-mail: [ssa10@psu.edu](mailto:ssa10@psu.edu)

#### Newsletter Editor

Mohammad-Reza (Soheil) Tofighi  
Telephone: 717-948-6112  
[mtofighi@psu.edu](mailto:mtofighi@psu.edu)

#### Webmaster

David Sarraf  
[david.sarraf@paonline.com](mailto:david.sarraf@paonline.com)

#### Q/A-C Column

Do you have any questions or comments? Call, email or FAX it to our Chair at the above address.

#### Newsletter Mailing or WEB Page Notification

If you do not receive your Newsletter, please notify AB Shafaye [mes121@psu.edu](mailto:mes121@psu.edu) or Soheil Tofighi [mtofighi@psu.edu](mailto:mtofighi@psu.edu). If you would like to convert from paper copy mailing of the Newsletter to WEB page delivery, please notify AB Shafaye, who serves as our Publisher.

#### Address Changes and Updates

There are several ways to correct member information with IEEE. They update their directory from the information you provide, and pass the changes to us monthly. Keeping your address information up to date will ensure accurate mailings.

There is a WEB based interactive "change of address" form at: <http://services1.ieee.org/membersvc/coa/intro.htm>

You can send an email to: [address-changes@ieee.org](mailto:address-changes@ieee.org)

Call IEEE Member Services at 1-800-678-IEEE

Mail changes to:

IEEE  
445 Hoes Lane  
P.O. Box 1331  
Piscataway, NJ 08855-1331  
FAX changes to 1-732-981-9667

#### Advertisements

Card Size: \$15/month  
Page: \$75/month

#### Current Officers

**Chair**  
Aldo Morales  
**Vice Chair - Program Chair**  
Sedig Agili  
**Treasurer**  
Hossein Jula  
**Secretary**  
Vittal Balasubramanian  
**Newsletter Editor**  
Mohammad-Reza Tofighi

#### Awards

Ernest Guenin  
**Central PA Engineering Counsel Representatives**  
Bob Klinger, Larry Brown  
**Educational Activities**

#### GOLD Coordinator

#### Local Professional Activities

Bob Klinger  
**Webmaster**  
David Sarraf

#### Membership Development

Art Van Gelder  
**PACE**  
Roy Hoffer  
**Publisher**  
AB Shafaye  
**Student Activities**

#### Members at Large

Omid Ansary  
Stan Telson