

September 2002See us on the WEB at: www.ewh.ieee.org/r2/susquehanna**September Section Meeting****Tour of GIANT Arena**

Date: **Thursday September 12, 2002**
Time: Dinner 6:00 PM
Tour 7:30 PM

Dinner: **Lucy's Café**
257 W. Chocolate Avenue, Hershey, PA

Tour: **GIANT Arena, Hershey, PA**

Dinner and Tour Cost:
\$20 (Members, non-members and students)
\$3 Tour only

MAIL attached Registration Form and check to be received by September 9.

September's Program

Our program for September will be Joint with the Susquehanna Section of the Illuminating Engineering Society of North America (IESNA). The program will be dinner at Lucy's Café in Hershey at 6:00 PM followed by a tour of the GIANT Arena. See the attached Notice on page 4, and the Registration Form on page 5. Please mail your completed Registration Form and your check to be received by Monday, September 9. Do NOT make your reservation through the IEEE Section, but do make it directly to the IESNA contact shown on the Registration Form. Also note that the check is to the IES Susquehanna Section, and not to the IEEE Section.

NOTE that the meeting is on a Thursday night, and not on our usual Tuesday evening.

This should be a very interesting tour and we encourage all Section members to come out to begin our fall schedule. Thanks to IESNA for inviting us to join in the fun, and especially to Alex Cheng of Gannett Fleming for making the invitation possible.

2002 Tentative Schedule of Events

Tuesday, October 15
Gas Turbine Plant tour
Lebanon, PA

Tuesday, November 12

Tuesday, December 10

Voices of Innovation: A Radio Program on The Wonders Of Engineering

Production for the new radio program VOICES OF INNOVATION is under way, and more than a dozen story ideas have come from electrical engineers. If you have an idea that could help improve the public's understanding and awareness of engineering, your story could join this exciting new program.

Developed by the American Association of Engineering Societies, of which the IEEE is a founding member, VOICES will be a daily series of two-minute public radio spots featuring engineers talking about their innovations, careers and work. The series is slated to begin in September. For more information on this exciting new concept and to submit your story idea, go to <http://www.voicesofinnovation.org>. You may also contact David Gately, AAES director, communications and public awareness, at + 1 202 296 2297 or dgately@aaes.org.

Today's Engineer

A new issue of IEEE-USA Today's Engineer is live on the web. The August edition is packed with features, including: Financing Your Life Dreams; Global Warming and the Kyoto Protocol; Cyber Terrorism; and Ben Franklin and His Electric Motor. To read Today's Engineer, visit: <http://www.todaysengineer.org>.

IEEE-USA is an organizational unit of The Institute of Electrical and Electronics Engineers created in 1973 to promote the careers and public-policy interests of the more than 235,000 electrical, electronics, computer and software engineers who are U.S. members of the IEEE. The IEEE is the world's largest technical professional society. For more information, go to <http://www.ieeeusa.org>.

Millersville – Part-time Faculty

The Dept. of Computer Science, Millersville University, seeks to expand its pool of temporary, part-time faculty. Opportunities exist for individuals who can teach courses at various levels and areas of expertise from computer literacy to advanced electives depending upon background. Of particular interest are candidates with C++ or Java experience. A Masters degree and successful interview with teaching demonstration is required; teaching experience is preferred.

Joining our temporary adjunct faculty pool now may make future opportunities available. Assignments will start from August 2002. Full consideration will be given to applications received by 8/1/02. Send letter of application, vitae, copies of transcripts (official transcripts required prior to appointment), and three current letters of recommendation addressing professional qualifications (prefer one which attests to your teaching skills) to: TPTF Search Committee/CODE, Dept. of Computer Science, Millersville University, P.O. Box 1002, Millersville, PA 17551-0302. tptfsearch@cs.millersville.edu. An EO/AA Institution.

Penn State – Linear Systems

Penn State Harrisburg's School of Science, Engineering, and Technology (SSET) has an opening for a part-time instructor to teach a three credit course in LINEAR SYSTEMS: TIME DOMAIN AND TRANSFORM ANALYSIS (E ENG 417) in the Fall, 2002 semester. The course covers signals and systems representations, classifications, and analysis using: difference and differential equations, Laplace transform, z-transform, Fourier series, FT, FFT, and DFT.

The minimum qualification for the position is M.S. degree in electrical engineering, systems science or other engineering disciplines. However, applicants with Ph.D. degree are preferred. Please contact Dr. Jerry F. Shoup at (717) 948-6114 or by e-mail at jfs1@psu.edu for more details.

Send curriculum vitae to Dr. Jerry F. Shoup at Penn State Harrisburg, Box IEEE, 777 W. Harrisburg Pike, Middletown, PA 17057. Applications will be accepted through July 31, 2002 or until position is filled. Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce.

Penn State – Volunteer Speakers Needed

Greetings from the electrical faculty at Penn State Harrisburg. We are looking for some speakers to present industry/professional practices and engineering constraints to our seniors preparing their capstone projects and some mentors for the students to contact about the professional component of their projects. Please let me know if you or

someone you would recommend would be willing to give a half-hour to 45 minute talk on one of the following categories:

1. economic constraints - life cycle analysis
2. design for a sustainable environment
3. serviceability and or manufacturability
4. reliability and reliability standards
5. ethics
6. health, safety, social and political impact considerations

The class meets 4:00 p.m. - 5:00 p.m., Thursdays. Preferred dates are in September and early October. If you are willing to be a mentor (be contacted by a student about the engineering constraints of a project) please send me an email and include your product or service. Thanks,

Cheryl A. Ebel, cae1@psu.edu
Assistant Professor of Engineering
Electrical Programs, Penn State Harrisburg
777 West Harrisburg Pike
Middletown, PA 17057-4898
(717) 948-6111

Section Volunteers Still Needed

The Susquehanna Section is still in need of members to get involved and volunteer for any of several positions still open. In October we will be calling for nominations for the officer level positions, however, this is a good time to join the officer and staff ranks right now. The Section needs a Vice-Chair (Programs), a Student Activities chair, and a GOLD Coordinator (Graduates of the Last Decade). You can also volunteer to be on a program committee or offer a program. Contact Tim Osborne if you can help, using the addresses in the Useful Information Column.

Newsletter Editor

As present Editor of our Section Newsletter, I would also like to begin a search for my replacement. I have had this position for a little over two years, and believe in the practice of staying in a position for at least one full term and then moving on. The Editor position assembles articles from Programs and other sources, and pulls it together into a Word document each month. The primary purpose of the Newsletter is to get people to come to Section Events.

The final paper is then sent to our Publisher for printing and mailing, and to our Webmaster for converting to a Web page. I use a set of pre-formatted Word97 documents to begin each month, can offer training in person, and am working on a documented Newsletter procedure. It is really an easy task, and requires a few hours each month with the word processor. There is always plenty of source material sent to the editor from within the Section and from national IEEE staff. The new term would begin January 2003, so there is plenty of time to get involved early.

If you are interested, contact me at simoncek@pa.net or at 717-243-0889.

Engineer's Week Council

The Central PA Engineer's Week Council meets monthly throughout the year to organize the Engineer's Week activities. The Council is organizing an Engineer's Outreach Program for all of the 12 member organizations. This program will have a real engineer go to schools to talk about being an engineer. This program will promote engineering at the middle school & high school levels. As a member organization, the IEEE Susquehanna section has been asked if they could provide volunteers to help the Council's program. Our contact person is John McCormick. His phone number is 717-533-6516 & E-mail is jhmccormick2002@yahoo.com. John has requests from many schools and could use our help.

Our IEEE Susquehanna Section has been supporting the Central PA Engineer's Council for many years, and Bob Klinger is our Section representative. This is a ideal job for retirees or others with a little extra time to give to help our youth in this outreach program.

Engineering Review Classes

Dear Student or Engineering Professional:

Planning on taking the Fundamentals of Engineering or Professional Engineering Exam in April 2003? Penn State Harrisburg is offering the Fundamentals of Engineering and the Civil/Sanitary/Structural, Environmental and Electrical Professional Engineering Review courses starting in the fall 2002. The Fundamentals course starts 19 October and the Electrical Professional Engineering Review starts 10 September.

The courses are taught by engineering faculty as well as professional engineers working in the field and prepare you to take the exam by practicing problem solutions, minimizing test anxiety and establishing built-in study time. You can print out a brochure for course and registration information at the web site listed below. If you are unable to open the file or wish additional information contact:

Brenda L. Firestone
Penn State Harrisburg
717-948-6538, blf3@psu.edu
<http://www.hbg.psu.edu/ce/noncredit/profengrev.shtml>

Useful Information Column

Susquehanna Section Chair

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Vice Chair and Program Chair

email:
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Webmaster

David Sarraf
email: david.Sarraf@paonline.com

Q/A-C Column

Do you have any questions or comments? Call, email or FAX it to Tim Osborne at the above addresses.

Newsletter Mailing or WEB Page Notification

If you do not receive your Newsletter, please notify AB Shafeei <m.shafeei@ieee.org> or Ed Simoncek. 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
- 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

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<p>Current Officers Chair Tim Osborne Vice Chair & Programs</p> <p>Treasurer Mike Woodford Secretary Aldo Morales Newsletter Editor Ed Simoncek Webmaster David Sarraf</p>	<p>Awards Larry Brown Central PA Engineering Counsel Rep. Bob Klinger Consultants' Network Stan Telson Educational Activities Harold Underwood GOLD Coordinator</p> <p>Local Professional Activities Bob Klinger</p>	<p>Membership Development Brett Miller PACE Omid Ansary & Peter Czuday Publisher AB Shafaye Student Activities</p> <p>Members at Large Horst Gerlach Ernest Guenin</p>
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Susquehanna Section, IESNA
(Illuminating Engineering Society of North
America)

Joint with IEEE Susquehanna Section

Thursday, September 12, 2002

Dinner at Lucy's Café 6:00 PM
257 W. Chocolate Avenue, Hershey, PA

The Arena Tour at 7:30 PM

PROGRAM:

**** Tour of GIANT Arena at Hershey, PA ****

Coordinated by:

Mr. Gene Emerick of Lighting One

Cost: (Members & Non-members)

Dinner & Tour (\$20.00 each)

Tour only (\$3.00 each) (Non-refundable)

(Registration Forms must be received by Monday, September 9,
2002)

MAIL Registration Form and check to:

Attn: Don Strong @ Gannett Fleming, Inc.
207 Senate Avenue, Camp Hill, PA 17011

REGISTRATION FORM

NAME: _____
COMPANY: _____
TELNO. _____
FAX: _____

Thursday, Sept. 12, 2002, GIANT Arena Dinner and Tour

Tour Only
 Dinner & Tour

Please Select one meal from Menu below:

Spaghetti W/Meatballs
 Lasagne
 Chicken Parmigiana

Note: Dinner includes a Salad, Drink and Ice Cream.

Dinner 6:00 PM at Lucy's Café. After dinner, we will have the tour promptly from 7:30 PM –8:30 PM

Direction to Lucy 's Café:

Go 322 East towards Hershey and straight into downtown area on Chocolate Avenue. Lucy's Café is located at 257 W. Chocolate Avenue.

Enclose \$20.00 (Dinner & Tour) or enclose \$3.00 (Tour only)
- CHECK PAYABLE TO IES SUSQUEHANNA SECTION

Mail to:
Don Strong, Gannett Fleming, Inc.
207 Senate Avenue
Camp Hill, Pa 17011
Telephone: (717) 763-7211
FAX:(717)763-8150
E-mail:dstrong@gfnet.com
(Please make copy of this for additional attendee.)