

November 2004

See us on the WEB at: www.ewh.ieee.org/r2/susquehanna**November 2004 Section Meeting****Harley Davidson Facility Tour**

Date: Tuesday, November 23, 2004
Time: Lunch On-your own
Tour 12:10 PM
Location: Harley Davidson Facility,
York, PA
Contact: (by email if possible)
Stan Telson
717-569-6579
E-mail: st@qspp.com

RSVP to Stan Telson, st@qspp.com, by 11/16/04 so we can get the count right for our tour guides.

Note: Since attendance is limited please email Stan Telson, st@qspp.com with your interest by no later than 11/16/04. All emails will be acknowledged but please reserve early!

November's Program

There has been wide interest in a tour of the Harley Davidson facility in York. In recent years this facility has created a new visitor/tour center and limited the times for tours to match production-active hours. Very recently they combined two production lines and have improved the tour from what was already a fascinating experience. However, Harley Davidson cannot accommodate an evening or late afternoon tour as there is no production on that shift and the visitor center is closed.

As a result we have planned a noontime tour in November, in lieu of our evening section meeting. This is an arrive-at 12:10 p.m., finish-by 1:30 p.m. schedule with lunch-on-your-own logistics, to try to make it work for as many members and students as possible up to a capacity of 54. Our tour start times are at 12:30 p.m. when the factory is back from lunch and in full production, but you must arrive early to complete procedures and have time to sit on the Harleys!

There is no charge but Harley-Davidson has specific Safety/Security guidelines which must be complied with. Please note the following:

- No packages in the facility
- No cameras in the plant, but OK at the tour center. Locked boxes are available to store cameras while on tour
- All visitors will pass through a metal detector; limit items appropriately; no knives of any size
- All visitors over 18 must provide government-issued picture ID and sign a guest registry; no exceptions
- No visitors under 12 allowed on the tour

- Closed-toed shoes are required; no high-heeled shoes; safety glasses will be provided and must be worn on the tour

October Section Meeting

The October program was a real treat, no tricks! Dr. Chris McLean, Division Manager of the Techkor Division of Advanced Conversion Technologies of Middletown was our October program speaker. This was one of the best programs of the year owing to its discussion of both the theory and the practical aspects of the design process for a complex system. There was quite a crowd around Dr. McLean after the meeting as attendees took the opportunity to understand how advances in wireless technology, battery chemistry, and miniaturization have made large-scale wireless data gathering systems practical. Especially notable were details on the major issues considered during the design of a commercially successful new product line with all manner of electronics, software, packaging, energy, support, and related concerns. If you weren't there, you missed another good one!

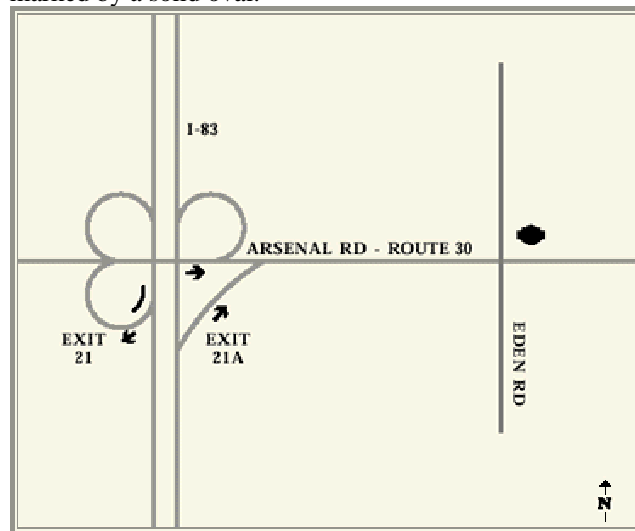
Directions to Harley Davidson Facility**From Harrisburg:**

Take I-83 South towards York to Exit 9E onto Route 30. Travel 3 traffic lights and turn left to the plant.

From East (including Lancaster):

Follow Route 30 West approximately 10 miles from the Susquehanna River. Harley Davidson will be on the right side.

Shown below is a map of the plant location. The plant is marked by a solid oval.



Mentor Program

Mentor Program

The IEEE student branch at Penn State Harrisburg is continuing its Mentor Program for the 2004-2005 academic year. Initiated in 1994, the program allows students to spend a day with a Mentor, observing the daily tasks of an engineer. Continuing commitment is needed to bring students and professional engineers together. The experience is beneficial to both parties allowing a comparison of classroom knowledge with the needs of the student.

This program needs the support of the IEEE Susquehanna Section members. Interested individuals may contact AB Shafaye (717-948-6349 or mes121@psu.edu, Kevin Hott, IEEE Student Branch Chair (717-838-5226 or knh339@psu.edu), or Derek Handy, IEEE Student Branch Mentor Program Coordinator at dah992@psu.edu. Remember that this program benefits both the students and the industry. Your support is greatly appreciated.

Signal Integrity Course

There are more than 25 companies in the Harrisburg metropolitan area that deal with producing interconnects for very high transmission rates. We are sometimes called “The Connector Capital of the World”. Some components have to deal with data rates up to the order of 40 gigabits per second. This leads to the need for connector components to meet signal integrity requirements.

Dr. Aldo Morales and Dr. Sedig Agili at Penn State Harrisburg are proposing to develop a course and laboratory in signal integrity that will prepare graduates to work in this field. A byproduct of the implementation of this proposal is the offering of continuing education courses for students from local industry looking to improve their skills.

A well-prepared course and laboratory will be done with input from local companies, engineers, as well as from other established university efforts. If your company would like to offer their support for this proposed course, you are invited to contact Dr. Morales or Dr. Agili as follows:

Dr. Aldo Morales awm2@psu.edu (717)-948-6379
Dr. Sedig Agili ssa10@psu.edu (717) 948-6109

2005 Leadership Slate

The following nominees were accepted as the principal officers for calendar year 2005, at an Executive Committee

Meeting on October 26, 2004. Since there was only one candidate for each of the principal officer positions, the nominees were accepted by acclamation and an election was not required.

Chair	Ed Simoncek
Co-Vice-Chair	Stan Telson
Co-Vice-Chair	Aldo Morales
Treasurer	Sedig Agili
Secretary	open

Note that the Vice-Chair position is also known as the Program Chair. Other Leadership positions were also filled and the complete list will be announced in the December Newsletter.

The Section is seeking additional nominees for the position of Secretary. The Secretary files meeting reports after each section meeting, keeps minutes of all other meetings, maintains section correspondence, maintains the leadership list for the section and serves on the executive committee. There is traditionally a succession from secretary to treasurer in a subsequent year.

We are also continuing to search for volunteers to chair the following leadership positions:

- Membership
- GOLD Coordinator (Graduates of the Last Decade)
- Student Activities
- PACE (Professional Activities Committees for Engineers)

For information or to get involved, contact Ed Simoncek at simoncek@ieee.org, or any member of the leadership team.

Notice

If the meeting is canceled due to bad weather conditions, an appropriate message will be conveyed to members.

Please use email, if possible, for making your reservations. This will allow us to include you in our email list for announcements and last minute updates. The receipt of every email will be confirmed.

Consultants: No Driving Required!

The Susquehanna Section's Consultant's Network will hold its first-ever meeting-without-driving by holding a section-sponsored conference call in November. Please email Stan Telson, st@qspp.com with your interest to be included in the call. We'll pick a date and time that work well for all.

Topics already on the list include:

- Introductions
- Regional interests for consultants - for example, we'll develop and web-publish a regional directory of IEEE member consultants
- Connecting with IEEE USA's national efforts for consultants - results of the fee survey and other items
- Other topics we need to process in 2005: schedule quarterly conference call meetings

2005 Engineers Week Award

Nominations are now being accepted for the 2005 National Engineers Week Awards to be presented by the Central Pennsylvania Engineers Week Council. The Engineers Week Council anticipates honoring three individuals who have made outstanding contributions to the engineering field with the following awards: Engineer of the Year, Young Engineer of the Year, Technical Achievement Award.

The awards will be presented at the National Engineers Week Banquet to be held on Thursday, February 24, 2005.

Nomination applications, including complete eligibility requirements for each of the awards, are attached. In addition, the applications are available to download from the Central Pennsylvania Engineers Week Council website (www.cpewc.org).

All applications must be received by November 24, 2004.

If you have any questions, feel free to contact Keith Markel, P.E., Chair - Awards Committee at 717-763-7212 ext 2765, or kmarkel@gfnet.com.

Useful Information Column

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Q/A-C Column

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

Newsletter Mailing or WEB Page Notification

If you do not receive your Newsletter, please notify AB Shafaye mes121@psu.edu or Vittal Balasubramanian b.vittal@ieee.org. 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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