

April 2010See us on the WEB at: <http://www.ewh.ieee.org/r2/susquehanna>**April 2010 Section Meeting****"Fourth Signal Integrity Symposium"**

Date: Tuesday, April 12 and 13, 2010
Time: Registration: 8:30 AM
Symposium: 9:00 AM – 4:40 PM
Place: Best Western Harrisburg Airport Inn and Suites, 815 South Eisenhower Boulevard, Middletown, PA 17057
Lunch Cost: \$20 each day for lunch
Contact: To register and for additional information (and directions), contact Brenda Firestone at 717-948-6538, blf3@psu.edu, Aldo Morales awm2@psu.edu, or Sedig Agili ssa10@psu.edu.

Note that lunch cost gives access to lunch with the opportunity to interact with speakers. It does not provide access to the talks.

Penn State Harrisburg's Center for Signal Integrity will host Central Pennsylvania's Fourth Symposium on Signal Integrity, April 12 and 13, 2010. This year, the format will include speakers and hands-on workshops. Currently, the following speakers are scheduled to present in the symposium: Dr. Howard Heck and Ms. Becky Loop both from Intel, Mr. John D'Ambrosia from Force10 Group, and Mr. Lee Hill from Founding Partner, SILENT Solutions LLC, with topics ranging from PCB modeling requirements for personal computer systems memory development, to case histories of recent SI and EMC interconnect problems. The hands-on workshops include signal integrity characterization and measurements, XAUI backplane interconnect workshop using PLTS, 3D EM TDR SI analysis, superior signal integrity insight with Agilent E5071C ENA Option TDR. Well-known speakers such as Mike Resso and Yoji Sekine (Agilent), Fabrizio Zanella (CST), and Jit Lim (Tektronix) will conduct the workshops. For more detailed information, please visit the Center's website at

<http://php.scripts.psu.edu/dept/iet/cl/set/SignalIntegrity/index.php>.

Signal integrity involves the quality of electrical signals passing through connectors used in electronic devices like computers or cellular phones. Known as the "connector capital of the world," the Harrisburg metropolitan area is home to more than 25 electrical connector companies. Dr. Sedig Agili and Dr. Aldo Morales, electrical engineering faculty members

at Penn State Harrisburg, estimate that the region holds 80 to 90 percent of the U.S. connector market and about half of the market worldwide.

The Center for Signal Integrity assists Central Pennsylvania's numerous connector companies with product development by fostering collaboration between them and the college's engineering faculty and students. The Center is partially funded by Ben Franklin Technology Partners, Penn State Harrisburg, Tyco, Amphenol, FCI, Samtec, Yaziki North America, Phoenix Contact, and Agilent.

Directions

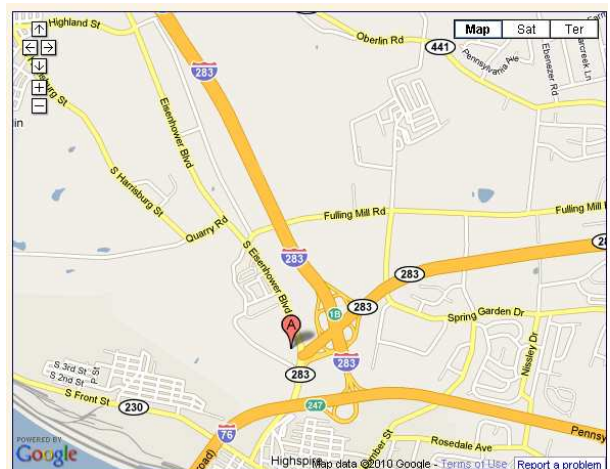
From Pennsylvania Turnpike (I-76): Use Exit 247 to Interstate 283 North. Get off at Exit 1B to the Best Western Harrisburg Airport Inn & Suites.

From Interstate 83: Follow Interstate 83 to Exit 46A and follow Interstate 283 South. Get off at Exit 1B to the Best Western Harrisburg Airport Inn & Suites.

From Interstate 81: Coming from the north, follow I-81 South to Exit 70 and follow I-83 South to exit 46A. Follow I-283 South. Get off at Exit 1B. Coming from the south, follow I-81 North to Exit 59 and get on PA 581 East. Follow PA581 to I-83 North to Exit 46A and follow I-283 South. Get off at Exit 1B to the Best Western Harrisburg Airport Inn & Suites.

From Interstate 78: Follow Interstate 78 South to exit 1A and follow Interstate 81 South to Exit 70. Follow Interstate 83 South to Exit 46A and follow Interstate 283 South. Get off at Exit 1B to the Best Western Harrisburg Airport Inn & Suites.

From the Airport: Take Interstate 283 West until the expressway ends. At the first stoplight the Best Western Harrisburg Airport Inn & Suites will be directly in front of you. Harrisburg airport is located 2 miles from the hotel.



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

March Section Meeting

On Tuesday, March 16th, Mr. Randy Musselman of the Business Development Group of Cleveland Brothers (Caterpillar Corp.) presented an outstanding talk titled “Green Technologies – Electric Power Generation”. His discussions covered a wide range of energy considerations from early hydroelectric generation through newly developing algae and Syngas options. The membership in attendance (about 49) were also introduced to numerous initiatives for load management and peak shaving systems, ranging from Caterpillar’s engine generator sets to District Energy (Enterprise-wide) systems and new “Green” technologies. Mr. Musselman also offered to share his slide presentations with the attendees. Please contact him directly and request the PowerPoint Presentation on Green Technologies. His email address is rmusselman@clevelandbrothers.com

Our only slight problem for the evening was that there were some miscommunications with the Campus Parking Staff. Several attendees received unregistered vehicle parking tickets for the event. We will be working with that office to cancel all such tickets. If you received one, please contact AB Shafaye ASAP. His email address is mes121@psu.edu.



Continuing Education Certificates

Many of our members may now be required to take continuing education courses to maintain their State Registration as a Professional Engineer. The requirements, as they now stand,

mandate 24 hours of technical training every two years to comply. The Susquehanna Section will generate a Certificate of Professional Development for all of our technical presentations (and perhaps some appropriate tours) for any member in attendance at the event. Please inform the indicated Program Manager when you register to attend any of our events that you are interested in such a certificate. We will endeavor to have them ready at the conclusion of the meeting/session.

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 address.

Newsletter Mailing or WEB Page Notification

If you do not receive your Newsletter, please notify AB Shafaye mes121@psu.edu or Soheil Tofighi 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:

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You can send an email to: address-changes@ieee.org

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