

April 2007See us on the WEB at: <http://www.ewh.ieee.org/r2/susquehanna>**March 2007 Section Meeting****Signal Integrity Symposium**

Date: Tuesday, April 10, 2007
Time: Registration: 11:00 AM
Symposium: 12:00 to 5:30 PM
Roundtable / Evening Program: 6:30 PM
Place: Capital Union Building (CUB), Penn State
Harrisburg, Middletown, PA 17057
Dinner Cost: \$20
Contact: To register and additional information (and direction), please contact Dr. Sedig Agili, 717-948-6109, ssa10@psu.edu, Dr. Aldo Morales, awm2@psu.edu, 717-948-6379, or Brenda Firestone at 717-948-6538, blf3@psu.edu.
Please let us know by April 3rd, to have the proper head count

The IEEE Susquehanna Section in conjunction with the Center of Excellence in Signal integrity is pleased to invite you to a Signal Integrity Symposium. A first for the Central Pennsylvania, the Symposium on Signal Integrity will feature internationally recognized speakers discussing a range of topics, including high-speed connectors and EMC radiation.

Hear from the Experts**Presentations:**

Dr. Bruce Archambeault, Distinguished Engineer, IBM
Topic: EMC Design Concepts and Applications for the Real World
An internationally known author and speaker, Dr. Archambeault serves on the Boards of Directors for the Applied Computational Electromagnetics Society (ACES) and the IEEE Electromagnetic Compatibility (EMC) Society, for which he is also a distinguished lecturer. He authored the book "PCB Design for Real-World EMI Control" and was the lead author of the book "EMI/EMC Computational Modeling Handbook".

Dr. Yun Ling, Engineer/Manager, Digital Enterprise Group, Intel Corporation
Topic: Signal Integrity in High Speed Board-to-Board and Board-to-Cable Issues

Dr. Yun Ling's main responsibility at Intel is to define, develop, and enable high speed physical interfaces for Intel platforms. His technical areas of expertise include time- and frequency-domain signal integrity modeling and testing, EMC compliance, and thermal/mechanical development.

Mr. Jim Nadolny, Senior SI and EMI Engineer, Samtec Inc.
Topic: Use of S-parameters for Signal Integrity Simulation and Analysis

Mr. Nadolny's work has focused on cable and connector EMI performance issues and using S-parameters for signal integrity simulation and analysis. He chairs an IEEE technical committee on signal integrity and is a frequent presenter within the IEEE and at DesignCon, with over 20 publications.

Dr. Zhiping Yang, Signal Integrity Engineer, Nuova Systems
Topic: A Hybrid Approach to Decrease Port Influence in Transmission Line Characterization

Dr. Yang previously was a principal signal integrity engineer at Apple Computer Inc. and a technical leader at Cisco Systems Inc. His research interests include signal integrity and power integrity methodology development and he is actively involved with IBIS standard activities.

Roundtable Discussion:

Topic: Current/future trends related to high speed connector/interconnects industry

All four speakers will be in the roundtable along with representatives from local industry and the Center of Excellence in Signal Integrity.

March Section Meeting

39 people (15 IEEE members, 3 students from PSU, 18 students from Elizabethtown College, and 3 speakers) attended the March meeting at Elizabethtown College. The evening consisted of tours of two of the new PA Radiation and Command Response vehicles, a dinner, and an interesting and extremely knowledgeable presentation on Pennsylvania's Nuclear and Radiological Emergency Preparedness and Response by David Allard, Director of the PA DEP Bureau of Radiation Protection. The talk was not only very interesting, but everyone left feeling well-protected from a serious event.

Mentor Program

The IEEE student branch at Penn State Harrisburg is continuing its Mentor Program for the 2007-2008 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 students.

This program needs the support of the IEEE Susquehanna Section members. Interested individuals may contact AB Shafaye (717-948-6349, mes121@psu.edu) or Marvie Wonsia, IEEE Student Branch Mentor Program Coordinator at mjw5044@psu.edu. Remember that this program benefits both the students and the industry. Your support is greatly appreciated.

Summer Course Instructors

Penn State Harrisburg's School of Science, Engineering, and Technology (SSET) has openings for part-time instructors to teach the following Summer courses that are offered starting May 14, 2007:

- Introduction to Digital Systems
- Data Communications and Networking
- Senior Project/Capstone Design

The minimum qualifications for the position(s) are a M.S. degree in electrical engineering or other related 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, 777 W. Harrisburg Pike, Middletown, PA 17057. Applications will be accepted through April 14, 2006 or until the position is filled. Penn State is committed to affirmative action, equal opportunity, and the diversity of its work force.

Useful Information Column

Susquehanna Section Chair

Aldo Morales
Telephone: 717-948-6379
FAX: 717-948-6352
E-mail: awm2@psu.edu

Vice Chair (Programs)

Sedig Agili
Telephone: 717-948-6109
E-mail: ssa10@psu.edu

Newsletter Editor

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

Webmaster

David Sarraf
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.

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