

IEEE Region 2 – Susquehanna Section

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Membership

- **Susquehanna** **797**
(833*)

- *** Spring 2008 membership**

Section Activities

- **New Processes**
 - **Two successful on-line senior drives: May 2007 and August 2007: More than 35 members applied more than 20 got the SM status**
 - **Another Senior membership drive was carried out May 2008.**
 - **Invite people from headquarters to give talks about benefits.**

Section Activities

- **Pre-College Education**
- **Presented 2 sessions at Harrisburg Area Community College (HACC) during Engineers Week talking about Electrical & Computer Engineering fields to about 50 HS students, February 21, 2008, IEEE Senior Member Larry Brown.**
- **Put on a demo of a simple electrical circuit that visitors could build (for a candy bar) along with an LED demo. Handed out information about the IEEE & electrical engineering careers. Had over 1200 kids over the course of the week, Whitaker Center, 2/16 to 2/18/2008 SMs Bob Klinger and Larry Brown talked to about 1200 K-12 students & their parents.**
- **About 100 Hrs of mentoring Steelton Middle School Students for “Future City” competition, IEEE Senior Member Larry Brown, 2007.**
- **Visited Lemoyne Middle School, October 2007, SM Larry Brown**

Section Activities

- Tutorials

- Signal Integrity Symposium, April 8, 2008
- Dr. Tim Michalka, “**Signal Integrity in High-Performance Electrical Design,**”
- Dr. Mohsen Kavehrad, “**Toward 100G over Copper**”
- Dr. Yun Ling, “**Signal Integrity of Complex Systems**”
- Dr. James Drewniak, “**Via Transitions and Stubs at the PCB/Connector Interface: ISI and Jitter Consequence,**”

Section Activities

- **Industrial Tours**

Phoenix Contact Tour and Talk

Greenray Industries Tour

Section Activities

● Meeting Topics (Lectures)

“Field Bus Power Supply Design” **Chris Kramm, Bent Helsrick, and Gerald Stevens, Phoenix Contact.**

“Multimedia Signal Processing” **Prof. Prof. Sung-Jea Ko, School of Electrical Engineering, Korea University, Seoul, Korea.**

“Contact Physics” **Demistry G. Grabbe, Research Professor, Worcester Polytechnic Institute.**

“Energy Storage for Renewables –Background, Opportunities, and Research Experience at Elizabethtown College” **Dr. Troy McBride, Assistant Professor of Physics & Engineering, Elizabethtown College.**

Student Activities

- Student Competitions & Awards
- EE/EET PSU-Harrisburg students finished first place honors in the “Micromouse” competition and third place for project showcase, at annual IEEE Region 2 Student Activities Conference, held at Penn College of Technology in Williamsport April 4 to 6, 2008.

Student Activities

- **Other Notable Student Activities**
- **Participation in outreach program at Whitaker Center**

Other Notable Activities

- Joint meetings with other professional societies:
 - **2nd Annual Professional Society Networking Social, August 7th, 2008.**

Successes

IEEE members AB Shafaye (PSU Harrisburg) obtained the Technical Achievement Award, and Robert Lee Horst (Peak Productivity) received the Engineer of the Year award, from Central Pennsylvania Engineer's Week Council (2 of four awards). In addition, Penn State Harrisburg's former graduate student Lakshmi P. Baskaran (now at Qualcomm Inc.), along with IEEE members Aldo Morales and Sedig Agili both 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", Las Vegas, Nevada.

Difficulties/Concerns

- Getting volunteers

What can the IEEE do for the Section?

- In general, people ask is the IEEE membership beneficial?