



*The
Institute of
Electrical and
Electronics
Engineers*

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IEEE Newsletter

Institute of Electrical and Electronics Engineers

December 2010

Morton Contest Results

The 52nd Walter B. Morton Prize Paper Contest was hosted by the Bloomsburg University Student Branch on April 22, 2010 in the Kerr Union Building. The activities opened with welcoming remarks by Robert Marande, Bloomsburg's Dean of Science and Technology. Don Talhelm, LVS Education Chair, related the history of the contest, explained the contest rules and procedures and introduced the judges.

Seven papers from five schools were presented to the Judging Committee. Only two papers may be submitted from each school. Each presenter was allowed 15 minutes for the presentation, followed by five minute question period. Judging of the papers included a prior evaluation of the written paper as well as the oral presentation. Final results declared Alice Gonzalez Cavalcanti de Araujo and Michael Hodsdon of Lehigh University the First Place winners for their paper "Wireless Headphones". Second Place went to

Lucas Zmroczek of Lafayette College. Trevor Drummond and Liam Kelly of Lehigh University were the Third Place winners. In addition to cash prizes, each author received a certificate recognizing his/her accomplishment. The Lehigh University Student Branch received a plaque during a Branch meeting this past fall semester.

Judges for the contest were Emeritus Prof. Robert Bartkowiak of Pennsylvania State University, Allenton Campus; Stephen Csaszar, Embedded Systems Engineer, Bethlehem, PA; Leopoldo Mayoral, Senior Principal Staff, Johns Hopkins University Applied Physics Lab; Gary Smullin P.E., Consulting Engineer, Bethlehem, PA and David Thompson, Consulting Member of Technical Staff, LSI, Inc., Allentown, PA.

The 2011 Morton Contest will be held at Penn State - Wilkes Barre, tentatively scheduled for April 21, 2011.

**Save the
Date**

Saturday Night, April 30, 2011

***The 2011 Fellows Recognition Night
and Dinner Dance***

Silver Creek Country Club, Hellertown, PA
Expect your written invitation to arrive in mid-March

The Lehigh Valley Chapter of the IEEE Computer Society

The Lehigh Valley Chapter of the IEEE Computer Society (CS) celebrated its 1-year anniversary of its reconstitution and recognition in November. Administrative meetings are typically held on the 3rd Thursday of the month at 7:15 PM at Lincoln Technical Institute in Allentown. All section members, whether part of the society or not, are welcome to join. Our first technical meeting on "System Design and Quality Management " by Jerry Bellott was presented on September 28th in Lehigh University's Packard Laboratory.

Meeting announcements are published to the Lehigh Valley Computer Society membership via email and posted on our Linked-in group "IEEE Computer Society of the Lehigh Valley" and our web page: http://www.ieee.org/go/lv_computer_society

As always, we welcome the participation of our chapter members and greatly appreciate their volunteered help. As we are fast approaching elections for new chapter officers, I ask that you consider running for one of the positions on the executive committee; chair, vice chair, secretary or treasurer. Please contact me at Stephen.J.Csaszar@ieee.org or attend our next administrative meeting if there is any interest. The strength of our organization lies not within its name, but within the strength of its members' involvement.

Solid State Circuits Society Chapter Events

Our LVS chapter of the SSCS had a successful 2010. On January 25, Kumar Lakshmikummar of the Princeton, NJ chapter spoke on "PLL Design in Nanometer CMOS" and on April 26, our own Paul Davis presented "When Will the A/D Be Connected Directly to the Antenna?" SSCS Distinguished Lecturer Un-Ku Moon spoke to us on "Emerging ADCs" on July 19 and the October technical meeting featured Paul Mosinskis who spoke on "SERDES Design".

To learn more or to be placed on the chapter mailing list, visit the IEEE/LVS/SSCS website: http://ewh.ieee.org/r2/lehigh_valley/sscs/

Membership Upgrade Workshop

The Section will host a workshop to assist eligible members in their preparation of the documents necessary for attaining Senior Member status in IEEE. Senior Member grade is available to members who have at least 10 years experience with at least five years of significant performance in an IEEE-designated field. For more information log on to www.ieee.org/web/membership/senior-member/index.html .

There is a meeting scheduled of the IEEE Review Committee for Jan. 9, 2011. Applications for upgrade to Senior Member must be completed and received by IEEE 10 days prior to the meeting. Our workshop is tentatively scheduled for December 14th in Rauch Business Center on the Lehigh Campus. An email with details will be sent to those eligible by early December.

IEEE-USA Government Fellowships & the WISE Program

Each year, IEEE-USA sponsors three government fellowships for qualified IEEE members. The fellows - chosen by the IEEE-USA Government Fellows Committee and confirmed by the Board - spend a year in Washington serving as advisers to the U.S. Congress and to key U.S. Department of State decision-makers. Known as either a Congressional Fellowship or an Engineering & Diplomacy Fellowship, this program links science, technology and engineering professionals with government, and provides a mechanism for IEEE's U.S. members to learn firsthand about the public policy process while imparting their knowledge and experience to policymakers.

2012 Application materials are now available online. The deadline is March 18, 2011

Application Kit for 2012 Congressional Fellowship:

http://ieeusa.org/policy/govfel/documents/cfappkit12_000.doc

Application Kit for 2012 Engineering & Diplomacy (State Department) Fellowship:

http://ieeusa.org/policy/govfel/documents/Stateappkit12_000.doc

Washington Internships for Students of Engineering (WISE) (<http://wise-intern.org/>)

Each year, outstanding engineering students are selected to spend nine weeks in Washington, D.C., learning about the public policy process, including how government officials make decisions on complex technological issues and how engineers can contribute to legislative and regulatory public policy decisions. The WISE Program is ranked as one of the best Internship opportunities in the U.S. by the Princeton Review. Applications are on-line at:

<http://wise-intern.org/application/index.html>. The deadline for Summer 2011 is 12/31/2010.

Philadelphia Consultants Network (CONET) Expansion

Consultants Network Affinity Group of the Philadelphia Section IEEE (Philadelphia CONET) plan to expand into a joint chapter which will include the Lehigh Valley Section.

Robert Peruzzi of LVS has been a member of Philadelphia CONET for two years, and has initiated the petitioning process to form a LVS chapter jointly with the Philadelphia section. Robert, who serves as the CONET corresponding secretary, stated, "I've found the members of this group to be friendly and helpful. They've given me extremely valuable advice in building my consulting practice."

The October meeting of Philadelphia CONET was held at the Sheraton University City, in Philadelphia. Robert S. Palmer, CPA, presented "Accounting and Tax Issues for the Self-Employed". Also included in the program were demonstrations of 3-minute pitches to prospective clients given by two CONET members which were critiqued by the audience.

The **mission** of CONET is to improve members' technical consulting businesses by sharing and expanding their technical knowledge and business capabilities. If you would like more information about future meetings, or to be placed on the "CONET Friends" mailing list, or are interested in joining, please contact Robert at Peruzzi@RPeruzzi.com. You may also visit their website at www.PhilaConet.com.

