

Report on Virginia Mountain Section Activities to IEEE Region 3

In my 2010 report, I stated that the viability of the Virginia Mountain Section was in question. I am pleased to report that due to the hard work of the executive committee, the section has been reinvigorated.

The EXCOM feels that relevant and interesting programs have significantly contributed to a rise in attendance (a list of the meetings is included at the end of the report). Another contributor to the rise is the offering of one continuing education credit hour per technical meeting to registered professional engineers in the Commonwealth of Virginia. After discussions with the director of the Virginia DPOR, I instituted the following procedure for awarding continuing education credit hours:

- One credit hour is awarded per technical meeting.
- A notice of the availability of the credit hours is made prior to the meeting in a newsletter announcement.
- A sign-in sheet for the credit hours is kept as a record of the awards.
- Certificates of the award are emailed to the recipients in PDF form.

Although our elections were held late, we have a new EXCOM, the majority of which are new to the positions. Our new chair, Jeffrey Wimmer, is determined to emphasize membership development and will be attending the R3 meetings in Nashville. To provide continuity, three of the members, including myself as past chair, are experienced members of the section.

Other activities:

Two representatives will be sent to the next Sections Congress.

Support for teams participating in the Region 3 Student Hardware Contest has been awarded.

Respectfully submitted,

Dave Livingston, Ph.D., P.E.
Past Chair of the Virginia Mountain Section

Meetings held since the last R3 meeting at SoutheastCon '10

April 2010

Report on Region 3 Student Hardware Contest

Students from Virginia Tech and Virginia Military Institute

May 2010

"Virginia BTOP Fiber Projects"

Presented by Jeff Crowder, Information Technology Program Director at Virginia Tech

September 2010

"The Effects of Harmonics in Power Systems and Methods to Reduce or Eliminate Them"

Presented by Wilbur N. Dale, PhD, PE

October 2010

"GaN HEMT Technical Status: Transistors and MMICs for Military and Commercial Systems"

Presented by Ray Pengelly of Cree, RF and Microwave Products

November 2010

"Data Mining on the Web"

Presented by Randy Marchany, Information Technology Security Officer and Director of IT Security Lab, Virginia Tech

January 2011

"Developing Future Engineers and Scientists: Coaching a FIRST Lego League Team"

Presented by Barbara Livingston, Elementary School Teacher, Buchanan Elementary and David Livingston, Professor of ECE, Virginia Military Institute

February 2011

"Smart Grid Technologies Piloted at American Electric Power"

Presented by Richard Greer, Application Engineer, American Electric Power

March 2011

"Wind Energy 101: Introduction to Wind Turbine Technology"

Presented by Cy Harbour, General Electric Co., Salem