



## Student Awards in Electrical and Electronic Engineering

**Goal:** Sponsor student interest in engineering, science and physics.

**Sponsors:** IEEE West Virginia Section and International Society of Automation (ISA)

**Possible Applicants:** Senior College Students, Students from any college in the region covered by the IEEE West Virginia Section may submit a senior thesis, senior research, or senior design project to the Section for review.

**Project Topics:** Any topic which is related to an area of Technological Innovation for engineering, science and physics represented by the IEEE would be acceptable. This will include such related areas as Math, Computers, Power & Energy, Safety, Wireless and Related Technology. The committee will make final decisions on whether a submitted project qualifies for any award.

**Decision Criteria:** Each application will be judged for originality, importance and applicability.

Each presentation will be limited to 20 minutes including setup, questions and answers. The project/presentation will be judged using the following criteria.

*Project Overview (5%)* – Prior to the presentation, each student will submit by email to the IEEE West Virginia Section officers a word document containing the important aspects of the project by providing brief background, a statement of problem, methods used to address the problem being solved with results and conclusion.

*Communication (35%)* – The student's ability to effectively convey to the audience their project objective, importance, originality, applicability, approach to solve problem, and conclusion.

*Research & Design Approach (30%)* – The student's research & design approach must be based on imagination as well as practicality.

*Results (30%)* – The student's ability to demonstrate the technical data, and cost analysis to support the design outcome

**Application Procedure:** Students submit a description of their projects by email to Dr. Kourosh Sedghisigarchi, IEEE WV Section Chair by April 20, 2011 (Email: [Kourosh.Sedghisigarchi@mail.wvu.edu](mailto:Kourosh.Sedghisigarchi@mail.wvu.edu)).

The best 5 student applications are invited to present a 15-20 minute oral presentation at a section meeting scheduled for April 27, 2011 at Panera Bread. During the meeting, the final decisions on any awards are made. All those invited to present at the meeting will receive a certificate. The Agenda is as follows:

### **Wednesday, April 27 @ Panera Bread - Southridge**

05:30 - 06:00 PM Dinner

06:00 - 07:00 PM Presentations/ Questions (20 min each)

07:00 - 07:30 PM Judging and Awards (1<sup>st</sup> place \$500, 2nd & 3rd places \$300 and \$200)

07:30 - 08:00 PM Other business and social