



Recognizing Student Initiative in Prevention Through Design

Anna Floyd, Guest Contributor

Now in its third year, the IEEE Industry Applications Society (IAS) Electrical Safety Committee Prevention

Through Design Student Engineering Education Initiative is geared toward graduate students in electrical and safety engineering. The goal of this program is to engage talented and promising students who show an interest in advancing engineering technology solutions that reduce the risk of electrical injuries. Students whose submissions are accepted receive a subsidy for travel, lodging,

and registration for participation in the IEEE IAS Electrical Safety Workshop (ESW).

Participation in this program is threefold:

- A student submits a proposal essay for consideration.
- The chosen students are awarded attendance at the upcoming ESW, during which they present their proposal in the form of a poster.
- The students present to their fellow university classmates and professors what they learned from their participation in the technical programs, tutorials, exposition, and networking opportunities at the ESW. The specific details are

to be determined through collaboration between the student and his or her professor and outlined in the application submission. For example, one might consider hosting a department-wide presentation or brown-bag series about the ESW.

The accepted submissions for 2014 are

- Payman Dehghanian, Texas A&M University, United States, “Circuit Breakers and the Impact of Their Maintenance on Electric Safety”
- Brandon Eidson, Auburn University, Alabama, United States, “Improved Arc-Flash Risk Assessment Due to Equivalent

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From left: ESW 2014 Chair Marcelo Valdes, Brandon Eidson, Gábor Gőcsei, Luigi Parise, Payman Dehghanian, Shivan-Hau Rau, Nicholas Scarabello, and Prevention Through Design Student Engineering Education Initiative Chair Anna Floyd. Sunday Owolabi is not pictured.

Power System Impedance Estimation Using Voltage and Current Measurements”

- Gábor Göcsei, Budapest University of Technology and Economics, Hungary, “Electric and Magnetic Fields During Live-Line Maintenance”
- Sunday Owolabi, Huazhong University of Science and Technology, Wuhan, China, “Protection Coordination Studies for the 10-MW Wind Farm in Nigeria Using Time–Current Hybrid with Dynamic Analysis of the Sequence of Operation”
- Luigi Parise, Sapienza University of Rome, Italy, “Fire Ignition

Hazard in Cords and Extension Cords”

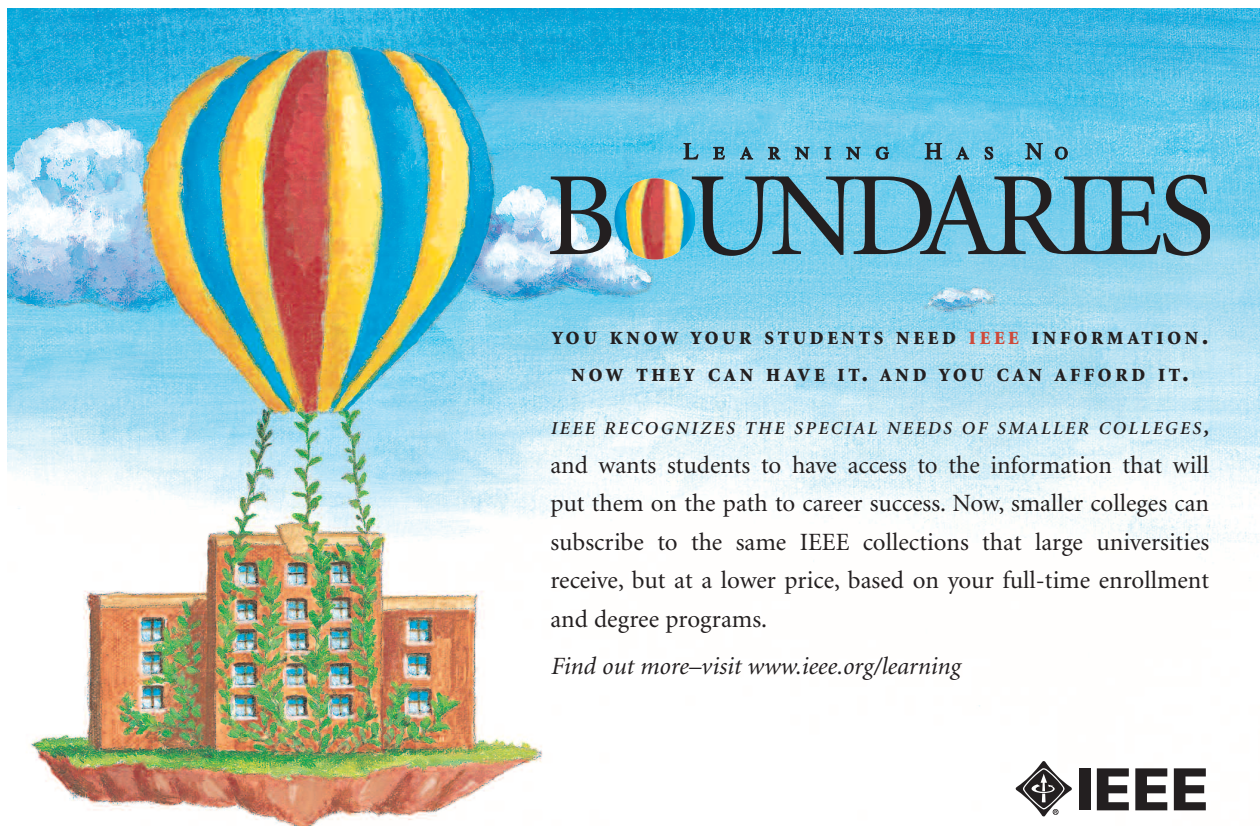
- Shiuan-Hau Rau, University of Texas at Arlington, United States, “Electrical Safety Course for Arc Flash”
- Nicholas Scarbello, University of Alabama at Birmingham, Alabama, United States, “Field Expedient System Safety Engineering in a Combat Zone.”

Call for Submissions: 2015 IAS Prevention Through Design Student Engineering Education Initiative

The IAS Electrical Safety Committee is pleased to announce the call for

submissions for the IAS Electrical Safety Prevention Through Design Student Engineering Education Initiative. A limited number of students will be chosen for this honor. The application deadline is 1 September 2014. Submission details and application requirements can be found on the IAS Electrical Safety Committee Web site at <http://www.ewh.ieee.org/cmte/ias-esw/Students.html>. For additional information, contact the program chair, Dr. Anna Floyd, at anna.h.l.floyd@gmail.com.

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