



NEWSLETTER

Newsletter of the Baton Rouge Section of the Institute of Electrical and Electronics Engineers, Inc. March, 2014

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LSU- Dr. Gunturk
SU – Dr. Henton

Chairman's Message

At the February meeting there were thirty-eight in attendance, thirty were members, eight were guest, and 6 were students. Five of the students were from Southern and one was from LSU. There were two presenters. Skip Alderson of ABB-Baldor Electric Company spoke to us on the topic "Medium and Large Motor Selection". He was accompanied by Nick Hastings the Regional Technical Sales manager for ABB-Baldor. Skip refreshed us on the basics of motors both induction and synchronous. He used very good graphics to illustrate the flow of the magnetic fields in motors. We learned about starting alternative and excitation control. He concluded with, "In high power applications, the drawbacks (of synchronous motors) can be more than offset by the gains in efficiency and ability to supply reactive power. For applications below 8000 hp and above 400 rpm, induction motors have the advantages of simplicity, low maintenance, and low initial cost."

I am sorry that I missed the presentation it sounded like it was a very good program. However, while you guys were very cold and working, I was in south Florida enjoying the weather a (in the 70 degrees) and getting a slight sun tan. Anyway hope to see everyone at the meeting next Thursday. Thanks for your continued support.

Your RSVP for the meeting is important, please RSVP? **We appreciate it that when signing up if you would mark if you are an IEEE member or not. A lot of you are marking that they are members or not and we appreciate your help.** This makes it easier for my book keeping which I have to report on each year. If you are not a member, that is not a problem. We will not to force you to join, and we can show you some benefits that will help you in your professional career. Anyway, we appreciate everyone who attends the meetings.

Our Next Meeting Will Be At

Ralph & Kacoo's

6110 Bluebonnet Blvd. Date Second Thur. Each Month

Just South of I-10, across from the Mall of Louisiana.

UPCOMING AGENDA

- April 10, 2014 "TBD" or "Blast Proof Pre-Fab. Metal Eq. Enclosures"
- May 8, 2014 LV Ground Fault Suppression
- June 12, 2014 Definite Purpose Variable Speed Drives
- July 10, 2014 Harmonic Blocking Characteristic of Passive Filters
- August 8, 2014 "UPS" lash Protection and Design

Other Sections Meetings and PDH opportunities.

Visit the Louisiana Engineering Society web page for additional chances for PDH's at the website listed: <http://www.les-state.org/brchapter/CPD.htm>

Your input is still/always needed for future programs. Please contact any Section Officer or me. You may call or email me with a topic and a potential presenter or point of contact, and we will try to arrange a meeting, which will be of interest to you. Remember to attend the meeting and receive a Certificate of Completion for Professional Development Hours (PDH's).

"Your attendance promotes our voluntary efforts."

Thanks,

O. J.
Section Chair

MEETING NOTICE

Date: **Thursday, March 13, 2014**

Time: Social.....6:00 P.M.

Place: **Ralph & Kacoo's**
6110 Bluebonnet Blvd.

Dinner (\$20.00 members/
\$30.00 non-members)

Speaker Presentation6:30 P.M.

CONTINUING PROFESSIONAL DEVELOPMENT

Joint meeting IAS & IEEE Professional Presentation

Advances in Lighting Technology: LED Light Sources for use in Hazardous Locations.

ABSTRACT of PRESENTATION

The With energy and maintenance costs continuing to rise, there has been a concerted effort to make hazardous area lighting more effective and efficient. Long time light sources such as HID, Fluorescent, and Incandescent light sources while easy to utilize, had drawbacks in maintenance, disposal, and energy consumption. With increasing governmental and economic pressure on the industry more and more companies are trying to find ways to illuminate their facilities in the most cost effective manner.

While LED is a relative newcomer to hazardous location installations, manufacturers and customers alike are quickly coming to understand the inherent benefits it offers. The continuing evolution of the technology has left questions of validity, but the benefits in maintenance costs, efficiency, control, and energy savings are becoming more apparent and well defined.

Our discussion will look into how LED technologies have advanced, not only in output, and efficiency, but also in control of illumination. Included will be examples of current fixture offerings and technical data on the systems of each.

BIOGRAPHICAL DATA of PRESENTER

Mr. Mitch Reeves, Eaton's Crouse-Hinds Business. Mitch has recently moved into a Sales Applications Specialist role with Crouse-Hinds and has been with the company for over 32 years. He has been located in Baton Rouge since 1987. During his time with Crouse-Hinds, he has been involved in more than 100 seminars ranging from installation of electrical equipment in hazardous areas, to NEC code seminars, as well as specific product training for end users and engineering firms. He is a member of ISA in Baton Rouge and Lafayette. He is a graduate of Texas A&M University. He is married to Anita; his wife of more than 30 years, and they have two sons, Michael and Justin. He assists in various local ministries in the Baton Rouge area. Mitch was recently named as a non-faculty assistant varsity coach for the Power Lifting Team at Runnels HS, where his son Justin competes.

Ramblings and etc.

- Please continue to RSVP to Don Couvillion using the web site: [Meeting RSVP via Web.](#)

This is now the preferred method but if necessary you can email at dcouvill@ieee.org or call (225)-362-2846 or use the section web site.

Thanks.

The meeting this month is at **Ralph & Kacoo's**.

The dinner for student members is half price.

If the **LSU** Branch Officers has changed, please let us know.

If the **Southern** Branch Officers has changed, please let us know.

VISIT THE BR SECTION WEBSITE

<http://sites.ieee.org/baton-rouge/>

The 2013-2014 Officers of the IEEE LSU Branch

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Counselor: Dr. Raynaud Henton

RSVP to Don (225) 362-2846 by 3:00 PM. Meeting day or email by Wednesday, March 12, 2014 Thanks

dcouvill@ieee.org