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LSU- Dr. Gunturk
SU – Dr.Henton

Chairman's Message

At the April meeting there were thirty-one in attendance, twenty-four were member, seven were quest, and three were students . The presenter was Bryan Dardar of Nolan Power Group, Mandeville, LA. His topic was "Battery Capacity Testing".

The Baton Rouge IEEE Section is considering holding a one day seminar on the new release of the NEC (National Electrical Code) for later this year. If you would be interested in attending or know someone who would be please send an email to dcouvill@ieee.org.

Jeffry Handal has made senior member and can now refer others to that status. Please visit this web site for more information: <http://sites.ieee.org/baton-rouge/senior-member-drive/>. You can share your company logo or small ad on the web site, contact Jeffry Handal or go to: <http://sites.ieee.org/baton-rouge/sponsors/>

Remember, if you would like a specific presentation (too late for this year) let us know for next year. So, let us know if you know a presenter that you would like to have on one of the open dates. Notify me or any Baton Rouge Section officer.

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

- May 09, 2013 Smart Grid Solutions.
- June 13, 2013 Protection for Medium and High Voltage Power System
- July 11, 2013 Maintenance & Protection of Electrical Systems in Corrosion & Harsh Environments.
- August 8, 2013 UPS
- Sept. 12, 2013 Arc Flash Protection and Design
- Oct. 10, 2013 Low Voltage MCCs
- Nov. 14, 2013 Ethics
- Dec. 12, 2013 Transformer DGA Analysis

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,

Don Couvillion
Section Chair

MEETING NOTICE

Date: **Thursday, May 9, 2013**
Place: **Ralph & Kacoo's**
6110 Bluebonnet Blvd.

Time: Social.....6:00 P.M.
Dinner (\$20.00 members/
\$30.00 non-members)
Speaker Presentation6:30 P.M.

CONTINUING PROFESSIONAL DEVELOPMENT

Joint meeting IAS & IEEE Professional Presentation

Smart Grid Solutions

ABSTRACT of PRESENTATION

In order to reduce greenhouse gas emissions, a number of states are pursuing a higher share of their power generation systems from renewable sources. These sources, such as solar and wind energy, are fueled with vast and constantly replenishing sources, can help improve public health and environmental quality, and are likely to create new jobs as renewable energy tends to be more labor intensive than traditional sources. However, these renewable sources present a number of challenges to power generators.

One of these challenges is the stability of energy supply. Renewable energy often relies on the weather for its source of power. Hydro plants rely on rain. Wind energy relies on air currents in the atmosphere. Solar energy relies on clear skies to produce electricity. For power generators, the greatest obstacle to renewable sources adoption has been grid stability. This risk is greatest when there is a high penetration of renewables. Some renewable energy sources, such as solar and wind, are intermittent in nature. Power fluctuations can result in voltage and frequency changes. These changes can result in voltage sags, the tripping of protection relays, which can result in damage to equipment not designed to handle such variations. This situation can lead to costly blackouts.

The technology needed to deal with these fluctuations has reached a point where it is commercially viable and available. The purpose of this presentation is to showcase an example of how power generators can take advantage of such technology in order to mitigate the negative impact of renewables such as wind and solar power. This presentation demonstrates how ABB successfully partnered with a US-based utility to conquer the challenges and how the approach can be useful to other power generators in North America. In addition, we will hint at the future issues which may arise from the adoption of this Smart Grid technology.

BIOGRAPHICAL DATA of PRESENTER

Brad Luyster has spent over 25 years in the electrical industry serving mostly industrial, commercial and utility markets. He is experienced in a wide array of electrical systems and products from PLC Automation to medium voltage outdoor switchgear. Brad comes to ABB after spending 8 years at Siemens Energy

where he ran Siemens' MV outdoor distribution products business segment. In his current role, Brad leads the efforts of the ABB Smart Grid Center of Excellence which is focused on the delivery of systems to help solve complex solutions.

Contact information:

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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.

I have updated the 2012 Officers of the **LSU** Branch.

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

VISIT THE BR SECTION WEBSITE

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

The 2012-2013 Officers of the IEEE LSU Branch

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Robotics Chair: Arien Wright - arien.wright09@gmail.com

Counselor: Dr. Raynaud Henton

RSVP to Don (225) 362-2846 by 3:00 PM. Meeting day or email by Wednesday, May 9, 2013 Thanks

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