



I NSTITUTE OF
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E NGINEERS, Inc.

The Baton Rouge Section

NEWSLETTER

Newsletter of the Baton Rouge Section of the Institute of Electrical and Electronics Engineers, Inc. March 2009

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Student Activities

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SU-Dr. Pradeep
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Chairman's Message

The February meeting was attended by forty-three people. Thirty-seven were members including six students. All of the students were from Southern University. The presenter was Mr. Sal Jadid. The presentation was on Modern protective relays used in power systems. Again the meeting did last a little longer than usual, however, no one left until he had completed the presentation and answered questions. It was a good meeting.

Unfortunately, I will not be at the meeting this week. Don will handle the meeting while I am out of the state for another meeting with SERC.

We will be having a joint meeting with the New Orleans IEEE at Snow's on airline highway a little north of Gonzales. The meeting will start at approximately six P.M. The presenter will be Dr. Czarnecki from LSU and he will be discussing his Harmonics research. Please be prepared to answer if you will be attending this meeting. New Orleans has gone to a lot of planning and it would be nice to participate in this meeting. Yes, we will be having our normal meeting the following night. Both of the meetings will be awarding pdh's for the meetings. Our section will furnish the pdh's for our members. Attend if you can. This is another chance for pdh's.

Your RSVP for the meeting is important, please RSVP?

Our Next Meeting Will Be At

Ralph & Kacoo's

6110 Bluebonnet Blvd. Date Thur. February 12th

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

Meetings are normally held on the second Thursday of each month.

UPCOMING AGENDA

- March 12, 2009 Fire Rated, Circuit Integrity Cables
- April 9, 2009 Arc Flash Boundary Mitigation
- May 14, 2009 Medium Voltage VF Drive Technology
- June 11, 2009 Cable Tray System Design Considerations
- July 9, 2009 Transformer Repair and Maintenance
- August 13, 2009 Grounding for Electrical Power Systems
- September 10, 2009 Application of AC Drives with Long Cable Runs
- October 8, 2009 Ethics
- November 12, 2009 Transformer Fluids
- December 10, 2009 Surge Protection Devices and Grounding Update

Other Sections Meetings and PDH opportunities.

Visit the les web page for additional chances for pdh's at the website listed below:

<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 12, 2009
Place: **Ralph & Kacoo's**
6110 Bluebonnet Blvd.

Time: Social.....6:00 P.M.
Dinner (\$20.00 members/
\$25.00 non-members)
Speaker Presentation6:30 P.M.

CONTINUING PROFESSIONAL DEVELOPMENT

Joint meeting IAS & IEEE Professional Presentation

Fire-Rated, High Temperature (200 deg C) Circuit Integrity Cables Suitable for Safety and Emergency Shutdown Systems In Case of a Hydrocarbon Fire

ABSTRACT of PRESENTATION

Fire Safety has become increasingly important in several industries particularly, the Petrochemical Industry, where the loss of lives and property can be devastating and very costly. Recent Refinery fires in Texas, and in California, have brought attention to more stringent fire protection safeguards. This paper will present the rationale, design criteria, development and evaluation test protocol for high temperature (200°C) circuit integrity cables suitable for use in both monitoring status and assuring shut-down of safety valves, even when the cable is exposed to a 1093° deg C (2000° deg F) hydrocarbon fire environment.

Participants will become aware of:

- The various Standards for Circuit Integrity Testing.
- The design & installation considerations, as well as performance expectations of high-temperature fire safety power, control, and instrumentation cable.
- The new IEEE standard being written by the Insulated Conductors Committee (ICC) , IEEE-P1717, entitled "Standard for Testing Circuit Integrity Cables Using a Hydrocarbon Pool Fire Test Protocol".
- A proposed new IEEE Guide for the Petrochemical and Chemical Industry entitled: "IEEE Guide for the Installation of Fire-Rated, Circuit Integrity Cables for Safety and Emergency Shutdown Systems in Petrochemical Plants, and Refineries".

BIOGRAPHICAL DATA of PRESENTER

Art Maldonado is currently the Vice President of Technology/New Product Development at Cable USA, A Marmon Wire and Cable/Berkshire Hathaway Company. He is the Chairman of IEEE's Insulated Conductors Committee (ICC) D17W Subcommittee writing IEEE-P1717. The ICC created IEEE-383 and IEEE-1202, among other Electrical Cable Standards.

With over 33 years of experience in the field of Polymers for electrical applications, Art began his career with the DuPont Company, holding positions in Manufacturing, Technical Service, and International Marketing for 18 years. He initiated the development of the ISO-9001 Quality Management System

at the Neoprene Manufacturing Plant in LaPlace, LA.

Ramblings and etc.

Please continue to RSVP to Don Couvillion 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.

VISIT THE BR SECTION WEBSITE

You can RSVP on line at:

http://www.ewh.ieee.org/r5/baton_rouge/

The 2008-09 Officers of the IEEE LSU Branch.

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Jeoffri Davis - jeoffridavis@engr.subr.edu

RSVP to Don (225) 362-2846 by 10:00 AM. Meeting day or email by Wednesday, March 11, 2009 Thanks

dcouvill@ieee.org