



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. May 2009

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Student Activities

Co-Chairman

LSU- Dr. Ahmed El-Amawy

SU-Dr. Pradeep
 Bhattacharya

Chairman's Message

The April meeting was attended by twenty-six people. Twenty-two were members including four non members. Six of the students were from Southern University.

The presenter was Mr. Boris Vega. The presentation was on standards driving arc flash and relationship of clearing time versus incident energy/PPE. Pros and cons of available mitigation technique and experiences of an optical arc flash protection system. I enjoyed the meeting and it was well attended considering the holiday weekend that started on Friday. After all most of us will be involved in this as time goes on.

I understand that the meeting with the New Orleans Section was well attended and that we had quite a few attending this special event. They were quite pleased with the total turnout and the restaurant offered the N. O. Section four \$25.00 gift certificates to be used in the future. They will contact me if any of the attendee names are drawing at their next meeting. I will inform you if you happen to win. I understand that it was a little longer than planned, but it was interesting.

The Region 5 Sections meeting was held in Lubbock, Texas on April 17th through the 18th. It was a very good meeting with the format changing to try and better the past meetings. Unfortunately, LSU and Southern did not place in the Robotics competition. Although Southern did not place, they did get to run their machine. LSU had mechanical problems. The competition was also different and difficult (in my opinion). We also had students that entered the paper contest and experimental design contest. Ask me about travel to and from Lubbock at the meeting. Quite an experience. The people were very friendly and helpful. It will be difficult to exceed them should be host the 2011 Region 5 meeting. The 2010 Region 5 meeting will be held in Fort Worth, Texas and will be in April.

Volunteers for our Region 5 should consider attending. We will see if the Section can help defray some of the expenses for those who would like to attend.

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

- May 14, 2009 Medium Voltage Motor Starting Comparisons
- 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, May 14, 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

Medium Voltage Motor Starting Comparisons

ABSTRACT of PRESENTATION

Discussing the various methods of starting and running medium voltage motors, the presenter will discuss the continuum of across-the-line starters to adjustable frequency drives. In particular the development of new general purpose VFD technology will be discussed. Topics will include: Cost of Ownership, Compliance with IEEE 519, Inverter Technology Breakthrough and Architecture Options including: FV Bypass, RVSS Bypass, and Synchronous Bypass, and Integrated Switchgear Design.

BIOGRAPHICAL DATA of PRESENTER

Larry Saunders received his BS Degree from Louisiana State University and his MBA from Loyola University. His more than 30 years in the Electrical Industry include various sales engineering, marketing and management positions with Square D Company, with Westinghouse, with Allen Bradley, and most recently with Eaton Electrical / Cutler-Hammer as District Engineer.

Larry is active in the ISA where he has served on the Executive Committee for many years in various committee positions and as President. He is currently Past President of The New Orleans Section. He has served in leadership positions with the Electrical Association of New Orleans as Vice President and Director and as an active member of IAEL.

He served as one of the co-authors of the API Standards RP14F and RP14FZ (Electrical Standards for Offshore Floating Platforms). Larry has been active in IEEE as a member of both the Power Engineering Society and the Industry Application Society. His authorships include two IEEE-IAS-PCIC papers and presentations, an IEEE-IAS Transactions paper, an IEEE-IAS-PCIC tutorial, and a 1997 PCIC Best Paper Award. He currently serves as National Vice Chair of the PCIC Production Subcommittee. Seeing the need for an enhanced safety (arc-resistant) low-voltage MCC, Larry was instrumental in the approval for development of IEEE Standard P1683 and currently serves on the committee writing the standard. Recently, Larry was elected as a director of IEEE Region 5 New Orleans Section.

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. Congratulations on LSU Student Section electing next years officers. Southern please forward your information when available. Thanks.

NOTICE

The Baton Rouge Section of IEEE is being considered to sponsor the April, 2011 Region 5 meeting in Baton Rouge. This would be the first time that the Baton Rouge Section has ever hosted this event. I would still appreciate any feedback both pro and con from the members. Whenever we are confirmed for the Region meeting, we will need some volunteers to assist at the meeting. I have already had a few members approach me and offered to help. We should need approximately twenty members for the Thursday thru Sunday meeting so that no one would have to be at the meeting the whole time unless they would like to. I would recommend it highly.

VISIT THE BR SECTION WEBSITE

You can RSVP on line at:

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

The 2009-10 Officers of the IEEE LSU Branch.

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Robotics Committee:

Chair: John Harvey jharv18@tigers.lsu.edu

Co-Chair: Robert Rouquette rrouqu1@lsu.edu

The 2008-09 Officers of the IEEE SU Branch.

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Eng. Council: Brandon Richard - brandonrichard@engr.subr.edu

Counselor: Dr. Pradeep Bhattacharya - bhattacharya@engr.subr.edu

Robotics Committee Co-Chairs:

Nicholas Eubanks - neubanks@aol.com

Jeoffri Davis - jeoffridavis@engr.subr.edu

RSVP to Don (225) 362-2846 by 10:00 AM. Meeting day or email by Wednesday, May 13, 2009 Thanks

dcouvill@ieee.org