



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. November 2009

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Student Activities

Co-Chairman

LSU- Dr. Ahmed El-Amawy
SU-Dr. Pradeep Bhattacharya

Chairman's Message

The October 8th meeting was attended by 30 people. 16 were members including 7 students. All of the students were from Southern University. The presenter was Mr. Justin Owens, Board Investigator for LAPELS. He told us about a new program in which LAPELS will be auditing the Continuing Professional Development ("CDP") records of a larger percentage of engineers. He also presented a video which illustrated an engineer faced with ethical dilemmas and conflicts of interest. It was presented as a realistic story such as you might see in a half-hour television program and held the interest of those who attended the meeting better than Ethic topics have in the past.

I have a couple of handouts at the meeting concerning the PES meeting coming up in April, 2010.

**2010 IEEE PES
TRANSMISSION AND DISTRIBUTION
CONFERENCE AND EXPOSITION
APRIL 19-22, 2010,
NEW ORLEANS, LOUISIANA, USA**

**ATTENDEE REGISTRATION NOW OPEN AT
www.ieeet-d.org**

INFLATION FIGHTER CONFERENCE FEES AVAILABLE

I still need the potential volunteers to email me so that I can start a record of those who think they may be available to assist at the 2011 Region 5 meeting. Send the email to me with the subject line stating 2011 Region 5 Meeting. Please do not forget to email me to volunteer for the 2011 region 5 meeting. This will be a big event and we will need quite a few volunteers for the meeting. The more that we have volunteer, will mean the less each one of the volunteers will have to help at and will be able to attend the different types of presentations. There will be a two day session of training with CEU's and other events available. I have the names of a few members and will be looking for more after I can obtain additional information of what is involved.

Your RSVP for the meeting is important, please RSVP?

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

- December 10, 2009 Surge Protection Devices and Grounding Update
- January 14, 2010 Medium Voltage Switchgear or Arc Resistant Switchgear
- February 11, 2010 Understanding the Advantages of Medium Voltage GIS Switchgear

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, November 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

Transformer Fluids

ABSTRACT of PRESENTATION

The presentation will discuss the purpose of insulating fluids in transformers the ratings of transformers and how they are cooled by their fluids. Mineral oils and other fluids will be discussed, including high fire point fluids with emphasis on the newer natural ester fluids in use today.

BIOGRAPHICAL DATA of PRESENTER

Mr. Sheldon P. Kennedy graduated with a Bachelor of Science degree in Electrical Engineering from the Pennsylvania State University in 1975 where he was a member of the Tau Beta Pi Engineering Honor Society and Eta Kappa Nu Electrical Engineering Honor Society. As part of his co-op program at Penn State, Sheldon worked for the U. S. Steel Corporation in the Coal Mining Division in Uniontown, Pennsylvania and the West Penn Power Corporation in utility distribution engineering in Connellsville, Pennsylvania. Upon graduation he worked for the Allegheny Power Service Corporation in Greensburg, Pennsylvania as a Transmission Substation Engineer and as a Rate Engineer. In 1982 he joined the R. E. Uptegraff Manufacturing Company, a transformer manufacturer, in Scottsdale, Pennsylvania as Chief Electrical Engineer. He was a part time Electrical Engineering Instructor in Electrical Engineering and for Professional Engineering Exam Review Classes at the Pennsylvania State University Fayette Campus in Uniontown, Pennsylvania from 1981 to 1985. In 1985 he joined Niagara Transformer Corporation in Buffalo, New York as Engineering Manager, and became Vice President – Engineering in 1988. Sheldon is the Chairman of the Rectifier Transformers Working Group in the IEEE PES Transformer Committee, and chaired IEEE C57.18.10-1998, *IEEE Practices and Requirements for Semiconductor Power Rectifier Transformers*. He is the United States industrial convertor transformers representative to IEC from the ANSI United States National Committee Technical Advisory Group. He was the NEMA Transformer Section Chairman from 2000 to 2003. He is the past Chairman of the Accredited Standards Committee C57 – Transformers, Regulators, and Reactors, 2002 - 2005. He is the Chairman of the non-ventilated dry type transformer working group, C57.12.52 in the IEEE Transformer Committee. He is a member of the IEEE Power Engineering Society and the IEEE Transformer Committee. He is also a member of the Industry Applications Society and Chairman of the Electrochemical Subcommittee of the PCIC. He is a member of the RTVISC Traction Power Substation Subcommittee, Working Group 21, Traction Power Rectifier Transformers Standard. He is also a member of the IEEE Engineering Management Society and the IEEE Magnetics Society. He is a registered Professional Engineer in the State of Pennsylvania and a member of the National Society of Professional Engineers. He served as Secretary, Vice President, President and Director of the Fayette Chapter of the Pennsylvania Society of Professional Engineers. He is the author of two IEEE PCIC papers and an IEEE

PPIC paper. Sheldon is also the author of the Rectifier Transformer chapter in the CRC book, "Electric Power Transformer Engineering".

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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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, November 10, 2009 Thanks

dcouvill@ieee.org