



**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, 2008

## 2008 OFFICERS

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### Membership

#### Chairman

Monty LaCour

### Student Liaison

Jeffry Handal

### Student Activities

#### Co-Chairman

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

## Chairman's Message

The April meeting was attended by 29 people. Twenty-seven were members including eight students. Most of the students were from Southern University. The presenter was Gregory L. Stovall of 3M Electrical Markets Division. Your RSVP for the next meeting is important, please RSVP?

The IEEE has launched an online member directory designed to encourage peer-to-peer networking within IEEE membership. MemberNet is the first step in a series of next-generation capabilities that will encourage virtual collaborations between members with similar technical interests, regardless of geography.

While the basic member profile in MemberNet contains every member's name and membership grade, each member can indicate by check mark what additional information they would like to also have appear. These may include technical interests, local Section, or IEEE Society affiliation. The MemberNet directory, and its opt-in management, is accessible from myIEEE, at <http://www.ieee.org/myieee>. For more information about IEEE MemberNet, visit <http://www.ieee.org/membernet>.

## Our Next Meeting Will Be At

**Ralph & Kacoo's, 6110 Bluebonnet Blvd., Date Thur. May. 8th**

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

Meetings are normally held on the second Thursday of each month, which allows us to have a meeting every month.

## UPCOMING AGENDA

- May 8, 2008 Breakthrough Medium Voltage V.F. Drive Technology
- June 12, 2008 Transformer Technology & Impacts of Changing Markets
- July 10, 2008 Short-Circuit Protection – Cable Tray and Cleats
- August 14, 2008 Medium and High Voltage Switchgear
- September 11, 2008 Stationary Batteries and Charger Technology
- October 9, 2008 Ethics
- November 13, 2008 Transformer Maintenance or DGA Test Reports
- December 11, 2008 Grounding for Electrical Power Systems

Your input is still/always needed for future programs. Please contact any Section Officer or email me at [dcouvill@ieee.org](mailto:dcouvill@ieee.org). Remember to attend the meeting and receive a Certificate of Completion for Professional Development Hours (PDH's).

The IEEE Baton Rouge Section is look for members interested in upgrading to Senior Member. Please contact Monty LaCour via email: [monty.lacour@englobal.com](mailto:monty.lacour@englobal.com)

Don Couvillion  
Section Chair

# MEETING NOTICE

Date: Thursday, May 8, 2008  
Place: **Ralph & Kacoo's**  
**6110 Bluebonnet Blvd.**

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

## CONTINUING PROFESSIONAL DEVELOPMENT

*Joint meeting IAS & IEEE Professional Presentation*

### Breakthrough Medium Voltage Variable Frequency Drive Technology

By Mr. Larry Saunders

#### ABSTRACT of PRESENTATION

Discuss the development of new general purpose VFD technology from mining technology. Topics to include: Reducing the Cost of Ownership Life Cycle by Design, Compliance with IEEE 519, Inverter Technology Breakthrough including: Heat-Pipe Cooling, Encapsulation, Rollout Inverter, and 3-Level Topology, 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 LSU 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 Corporation / 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 Vice President. He is currently 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 IAEI.

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.

#### Ramblings and etc.

Please RSVP to Don Couvillon at [dcouvill@ieee.org](mailto:dcouvill@ieee.org) or call (225)-362-2846. Thanks. Remember the meeting this month is on a Thursday, and is at **Ralph & Kacoo's**. The dinner for student members is half price. Hope to see you there.

#### VISIT THE BR SECTION WEBSITE

[http://www.ewh.ieee.org/r5/baton\\_rouge/](http://www.ewh.ieee.org/r5/baton_rouge/)

#### IEEE JOB SITE\*

[www.ieee.org/jobs](http://www.ieee.org/jobs)

#### The 2007-08 Officers of the IEEE LSU Branch.

Chair: Alex Ray – [aray4@lsu.edu](mailto:aray4@lsu.edu)  
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Mariel Losso – [mlosso1@lsu.edu](mailto:mlosso1@lsu.edu)

#### Robotics Committee Co-Chairs:

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Franklin “Keith” Sands – [kd5shw@hotmail.com](mailto:kd5shw@hotmail.com)  
Darren Kattan – [dkattan@immense.net](mailto:dkattan@immense.net)

#### The 2007-08 Officers of the IEEE SU Branch.

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Secretary: Brittany Matthews  
Treasurer: Lauren Gransberry  
Eng. Council: Brandon Richard  
Counselor: Dr. Pradeep Bhattacharya  
Robotics Committee Co-Chairs: Nicholas Eubanks, Jeffri Davis

**RSVP to me (225) 362-2846 or email me by May 8, 2008 by 10:00 AM. Thanks**

[dcouvill@ieee.org](mailto:dcouvill@ieee.org)