



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. January, 2006

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618-4423 (O)
618-4330 (F)

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618-4408 (O)
618-4330(F)

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297-4321 (O)
297-4698 (F)

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Al Jolissaint

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297-3446(O)
293-1517(F)

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

Chairman's Message

Our last meeting has been a long time ago. The holidays and Hurricanes Katrina and Rita have kept everyone busy. Our dilemma is having a speaker come in from out of town and be able to find a hotel room. But, it appears things are easing a bit and we should be back on schedule.

Would the Student Section at LSU please send me a list of officers for the coming year? Thanks. If you have a meeting schedule, send it to me and I will include it in the newsletter.

~~~~~ Fifty Years ~~~~~

Dave Pierce, the Region 5 Director-Elect and member of our Baton Rouge Section, will present to us a banner marking the Baton Rouge Section's 50th Birthday. We will need to revise our newsletter to commemorate this milestone.

Dave will discuss the future of IEEE, the Baton Rouge Section and IAS Chapter activities as well as local continuing education opportunities. Our section needs someone to take a more active part in bringing continuing education programs to the Baton Rouge area through participation in section activities. Are you interested?

UPCOMING AGENDA

- February Engineer's Week
- Feb 23 Cable Technology for Fire & Safety Applications by Anixter
- May 23 Motors, a technical presentation of electrical motors, maintenance, service and operation by Industrial Electric Motor Service (Bob Lemmons).
- April 27 - ABB tentative

Your input is still/always needed for future programs. Please contact any Section Officer or email me at o.j.brouillette@ieee.org. You may call or drop a line to me (see RSVP phone number or return address) 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. We will try to give plenty of advance notice of the meetings so that you can arrange your schedule to attend the meeting(s) that interest you. Remember to attend the meeting and receive a Certificate of Completion for Professional Development Hours (PDH's).

"Your attendance promotes our voluntary efforts."

O. J.
Section Chairman

MEETING NOTICE

Date: Thursday, February 9, 2005
Place: Drusilla's Restaurant
3482 Drusilla Lane

Time: Social.....6:00 P.M.
Dinner (\$15.00 members/
\$18.00 non-members)....6:30 P.M
Speaker Presentation6:30 P.M.

CONTINUING PROFESSIONAL DEVELOPMENT

IEEE Technical Presentation

Uninterruptible Power Systems

A discussion of Topologies, Commercial v Industrial, Ferro and PWM,
Advantages /Disadvantages, Distribution, and Batteries.

BIOGRAPHICAL DATA of PRESENTER

Doug McCann

Mr. McCann has been with AMETEK Solidstate Controls for 19 years having served in various roles. Currently he is the Manager of Applications Engineering.

See attached Biography for more information

VISIT THE BR SECTION WEBSITE

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

Remember...meeting is at Drusilla's Restaurant....

See you there.

The 2004- 05 Officers of the IEEE LSU Branch.

Chair:

Vice-Chair:

Secretary:

Treasurer:

Counselor: Dr. Ahmed El-Amawy

Robotics Committee Co-Chairs:

The 2004- 05 Officers of the IEEE SU Branch.

Chair:

Vice-Chair:

Secretary:

Treasurer:

Counselor: Dr. Pradeep Bhattacharya

Robotics Committee Co-Chairs: Reginald Cooper

RSVP to 225- 618-4423 by Feb 7, 2006

IEEE JOB SITE*

www.ieee.org/jobs

Here's your report on news from around the IEEE by the editors of The Institute. The most current version of The Institute can always be found at <http://www.ieee.org/theinstitute>

news from around the IEEE

1. **January 2006**

[In Tampa, Sections Congress Creates Sharp Leaders](#)

IEEE Senior Member Jim Howard calls it "the best and the greatest IEEE meeting there is." Hyperbole aside, IEEE Sections Congress 2005, held 14-17 October 2005 in Tampa, Fla., brought together hundreds of volunteers from all over the world to sharpen leadership skills, enhance knowledge of the IEEE, and network with other volunteers.

2. **January 2006**

[Let's Not Overlook Standards](#)

Engineers designing products know that they must comply with certain formal standards if the fruits of their labor are to be widely used, but few U.S. engineering students know much about them. The IEEE hopes to change that, thanks to educational materials about standards it put up on the Web this month. Its aim is to impart information about standards to university students, faculty members, and just about anyone else who might be interested.

3. **January 2006**

[U.S. Engineers Week Zeroes In on Youngsters](#)

From linking engineers with educators to a design competition for kids to a family festival with an engineering theme, U.S. Engineers Week 2006, which takes place from 19 to 25 February, has a lot to offer. EWeek activities are meant to increase the public's awareness of the key role engineers play in society and to help build the technical literacy of young people. At the same time, the activities are likely to instill some pride among the working engineers who volunteer to participate.

4. **January 2006**

[Honors for Outstanding Achievements In Educational Activities](#)

The author of a book written to help high school students improve their math SAT scores was one of 11 recipients honored with an IEEE Educational Activities Board (EAB) Award in November in Orlando, Fla. Also honored were two teachers who are working wonders motivating students to take part in science and technology projects, and other awards went to educators and private companies for a range of accomplishments.

5. **January 2006**

[IEEE Computer Society Celebrates 60 Years](#)

ENIAC was the only computer around in 1946. The first general-purpose electronic digital computer, ENIAC was the size of a large living room and ran on vacuum tubes-lots of them. Not many people back then could have foreseen that some 60 years later, people would be walking around with computers as small as a briefcase and weighing less than a couple of kilograms.

6. **January 2006 - Featured Conferences**

[The Sky's the Venue \(Almost\) For Aerospace Conference](#)

Space started small, says the Big Bang theory. So did the IEEE Aerospace Conference, which will take place once again at Big Sky, Montana, from 4 to 11 March. When the conference started 27 years ago, "it drew about 20 or 30 papers and a similar number of attendees," says Ed Bryan, an IEEE member and one of the technical program's cochairs. The 2005 edition had 482 papers, and this year there will be even more. Besides seven plenary sessions, this year's conference will include 14 tracks, covering such diverse topics as space missions and operations, management, communications and navigation, space and air vehicles, software and computing, optics and electro-optics, avionics, and governmental involvement.
