



I NSTITUTE OF
E LECTRICAL AND
E LECTRONICS
E NGINEERS, Inc.

The Baton Rouge Section

NEWSLETTER

Newsletter of the Baton Rouge Section of the Institute of Electrical and Electronics Engineers, Inc Jan, 2024

2023-2024 BR SECTION CONTACTS

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WIE Affinity Group Chair
Vacant

**Student Branch
Counselors**
LSU- TBD
SU – Dr. Fred Lacy

Chairman's Message

The December meeting was a joint meeting with IAS and ISA; held in person with a total of 19 in attendance. Thirteen (13) were IEEE members and six (6) guests. Those in attendance included five (5) IEEE IAS and two (2) ISA members.

The December meeting topic was "Understanding Insulating Oil Tests and What the Results Tell Us" presented by David Koehler who serves as the Global Business Development Manager for Doble Engineering Company. David said that oil testing is the best, most cost-effective means to determine the health and prediction of failure for your generation, transmission and distribution transformers and other oil-filled assets. He listed mineral oils, ester(natural), ester(synthetic), high fire-point mineral oils, silicones, polyalphaolefins and chlorinated insulated fluids as insulating liquids. He reviewed the oil tests used for dielectric strength, water content, dissolved gases-in oil, particle count, power factor, metals, and PCB's. He presented how each test is performed, along with how the results are evaluated, analyzed, and interpreted. David divided the various tests into three classes of test: Diagnostic test, Quality of Oil test and Investigative Test. He listed the test standards, recommended tests and results for new and in-service equipment. Use of the proper sampling container and not contaminate the sample is critical. He indicated throughout the presentation that oil tests can be used to detect developing problems at an early stage and then further monitored to detect serious deterioration or conditions prior to equipment failure.

The next Baton Rouge Section IEEE meeting will be held:

January 11, 2024

LaContea Italiano Ristorante

Presentation Starts At 6:30pm

To RSVP to meeting click on link below

<https://events.vtools.ieee.org/event/register/398900>

Your RSVP for the meeting is important as this is an **in-person meeting**.

The sign-in list is typically published based on those that registered as of midday Wednesday (about 12 noon).

UPCOMING AGENDA

- February 08, 2024 - Protection Methods for Hazardous (Classified) Locations, NEC 500/505; Javier Garza, BARTEC US Corporation
- March 14, 2024 – Protective Relay Systems: Unlocking the Hidden Potential. Jeff Gauthier & Tony Parsons, Eaton Corporation
- April 11, 2024 – To be determined: Robert Sorbet; Stafford Electric Sales LLC
- May 9 ,2024 – Lightning Protection: Craig Strickland; Burn and Matthews/ ERICO

If you want to volunteer or have ideas for improvement... Please let me know.

Thanks.

Robert Walker

MEETING NOTICE

Date: Thursday January 11, 2024

Place: LaContea Italiano Ristorante

Dinner: **Cash or Check only (\$20 members/ \$30 non-members/ \$10 students)**

Time: Social.....6:00pm

Speaker Presentation.....6:30pm

AGENDA: Meeting Sign-in include if member of IEEE, IAS, ISA, WIE or student.

- 2024 BR Section election: Nominees – Ballots (members- who uses online?)
 - Chair Vice Chair Secretary / Treasurer
- 2024 Meetings scheduled location “LaContea”
- Other
 - BR Section Website update in progress...Other ideas for improvement, meeting to layout
 - IEEE VTOOLS Upgrade
 - Webinar Model DC ARC Physics and Applications for DC ARC Flash Risk Assessment on January 17, 2024 1AM ET, free to all IAS members. The updated link to register is: <https://ieeemeetings.webex.com/weblink/register/rdbda90d10d7217f60711c83e5a92b5a5>
 - LES Joint Engineering Societies Conference Cajundome, Lafayette, LA February 28 - 29, 2024
 - LES CPD On-demand Library Online Courses (Yes has registration fee)
 - 2024 IEEE IAS PCIC Conference, Sept 16-19 Orlando, FL
 - 2024 Electrical Safety Workshop March 4-8 Tucson, AZ
 - 2024 IEEE Green Tech/Region 5/Student Competition April 3-5/April 5-7, Springdale AR
 - 2024 IEEE CVD April 10-11 Wash DC
 - MOVE
 - CHIPS Creating Helpful Incentives to Produce Semiconductors Act

- **CONTINUING PROFESSIONAL DEVELOPMENT** Presentation

“Grounding for Electrical Power Systems (Low Resistance and High Resistance System Design)”

Presented by: Said Shalabi

ABSTRACT of PRESENTATION

This presentation focuses on grounding solutions and addresses the operation and functionality of resistively grounded systems; their associated benefits; the transition to resistively grounded configurations; installation and sizing requirements; the utilization of both Low-Resistance & High-Resistance grounding, by directly referencing IEEE, NEC, and NFPA standards and guidelines.

BIOGRAPHICAL DATA of PRESENTER

Said is currently a Technical Consulting Engineer for I-Gard Corporation and has been with the company since 2019, where he has been involved in product development, project management, technical support, and consulting. His current scope of work includes assisting consultants in identifying optimal grounding solutions specific to their application; being a technical reference for Engineers and end users. Before then, Said sought his BASc in Electrical Engineering from the University of Ottawa, where he specialized in Power Engineering.

Said Shalabi
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Ramblings and etc.

- **Meeting notices are emailed each month.**
- Please RSVP thru the link. If you cannot RSVP thru the link or have questions, please email, or call Robert Walker or one of the other officers.

VISIT THE BR SECTION WEBSITE

Working on updating the BR IEEE section website

2023-2024 Officers of the IEEE LSU Branch

President – Jadon Bijou jbijou2@lsu.edu

Vice President – Noah Fontenot nfont26@lsu.edu

Secretary/Treasurer – TBD

Coordinator -Chandler Pumford cpumfo1@lsu.edu

Advisor: TBD

2023-2024 Officers of the IEEE SU Branch

Southern Branch Officers list is being updated.

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ComChair: Ashiriah Williams ashiriah.williams@sus.edu

MemberChair: Keyonna Brown keyonna.brown@sus.edu

**RSVP (Non-Members and Members) via the link BEFORE January 10, 2024.
If you have issues, please email robert.walker@ieee.org**