



INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, Inc.

The Baton Rouge Section

NEWSLETTER

Newsletter of the Baton Rouge Section of the Institute of Electrical and Electronics Engineers, Inc. May, 2023

2023-2024 BR SECTION CONTACTS

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WIE Affinity Group Chair

Vacant

Student Branch

Counselors

LSU- Dr. Choi
SU - Dr. Fred Lacy

Chairman's Message

The April meeting was held in person with a total of 20 in attendance. Twelve (12) were IEEE members and eight (8) were guests. Those in attendance included four (4) IAS and two (2) ISA members.

The April meeting topic was "Arc Flash Protection by Design." presented by Andrew Young and Shawn Johnson of Eaton Corporation.

This presentation reviewed the general methods of reducing arc flash hazards and presented a variety of options to consider to reduce exposure. Since 80% of the electrical fatalities are due to burn; not shock, there is an increasing emphasis on safety and protection from arc flash hazards. There is also increasing pressure on design professionals to include distribution equipment features which help mitigate potential arcing event hazards, either reduction or eliminating them altogether.

Standard C37.20.7 is the IEEE Guideline for Testing Switchgear Rated Up to 52 kV for Internal Arcing Faults. It was mentioned that one difference between switchboards and switchgear is that switchboards have no containment, while switchgear have breaker containment.

They discussed staying outside the flash boundary, use of IR windows, remote racking and auto shutter isolation barriers as options to consider for minimizing exposure. Methods presented to either reduce or eliminate arc event hazards included reducing protective device clearing time, incorporating zone selective interlocking or an arc flash relay, utilizing Arcflash Reduction Management System (ARMS) Technology and/or incorporating an arc quenching device in the equipment. One or more of these methods can be utilized to mitigate arc event hazards.

Please RSVP before the day of the meeting. The sign-in list is typically published based on those that registered as of midday Wednesday (about 12 noon). Also note there is a charge, at the door, for meals at our IEEE meetings and we can only accept payment in cash or check.

The next Baton Rouge Section IEEE meeting will be held:

May 11, 2023

LaContea Italiano Ristorante

Presentation Starts At 6:30pm

Please RSVP BEFORE May 11

To RSVP to meeting click on link below

<https://events.vtools.ieee.org/event/register/359835>

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

UPCOMING AGENDA

- June 8, 2023– IEC 61914 Cable Cleats for Electrical Installation, Charles Darnell P.E., Atkore
- July 13, 2023 – TBD Herman Galatas, TEC Sales; Robert Sorbet Stafford El Sales
- August 10, 2023 – TBD (DCS, SIS, PLC Application) John H Carter; Robby Jones

If you know of another PDH opportunity, let me know when and where.

Thanks.

Robert Walker

MEETING NOTICE

Date: **Thursday May 11, 2023** Time: Social.....6:00pm
Place: **LaContea Italiano Ristorante** Speaker Presentation.....6:30pm
Dinner: **Cash or Check only (\$20 members/ \$30 non-members/ \$10 students)**

AGENDA:

- Meeting Sign-in
- Meeting location,
- 2023 IAS Electrical Safety Workshop (Reno) Summary
- 2023 Tech Night
- 2023 Region 5 Student competition and Annual Meeting Summary
- 2023 PCIC Update
- Upcoming Events
 - August 11-13 2023; IEEE Sectional Congress (Ottawa)
 - Sept 11-14 2023; IEEE PCIC (New Orleans)
- **CONTINUING PROFESSIONAL DEVELOPMENT** Joint meeting IEEE, IAS & WIE Professional Presentation
"Metal Enclosed Bus Systems, Standards, Design and Maintenance Requirements"
Presented by: James M. Polgar
Technibus

ABSTRACT of PRESENTATION

This presentation will be on "Metal Enclosed Bus Systems, Standards, Design and Maintenance Requirements."

Discussion of Industry Standards, Design, Application, and Maintenance for Metal Enclosed Bus Systems for:

- Low Impedance Busway,
- Cable Duct,
- Segregated and Non-segregated Phase Bus Duct,
- Isolated Phase Bus Duct

BIOGRAPHICAL DATA of PRESENTER

James has 46 Years in the Power Distribution Business. Electrical & Mechanical Design, Project Management, Implementation of New Designs, Ratings and Testing, Regional and National Sales Management. Companies include Gould-ITE to ABB, Controlled Power Corporation, Tampa Armature Works and Technibus Inc.

Sales & Marketing of Electrical Generation and Power Distribution Products, with emphasis on Non-Segregated Phase Bus Duct and Switchgear products. Extensive background on working with customers from equipment specification to equipment delivery.

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Ramblings and etc.

- **Meeting notices will be emailed each month.**
- Please use the link in the email to register or join meeting. If you do not get an email meeting notice each month, Please notify one of the officers.
- If you cannot RSVP thru the link or have questions, please email, or call Robert Walker or one of the other officers.
- Meeting sign-in include if member of IEEE, IAS, ISA or student.

VISIT THE BR SECTION WEBSITE

We are working on updating the BR IEEE section website
<http://sites.ieee.org/baton-rouge/>
[Section Newsletters](#)

2022-2023 Officers of the IEEE LSU Branch

President – Chandler Pumford cpumfo1@lsu.edu
Vice President – Patrick Maloney pmalon9@lsu.edu
Secretary – Sam Chanove- schanol@lsu.edu
Treasurer – Nathan Muralles- nmural1@lsu.edu
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2022-2023 Officers of the IEEE SU Branch

Southern Branch Officers list is being updated.
Officer: Vacant
Counselor: Dr. Fred Lacy – fred.lacy@subr.edu

RSVP (Non-Members and Members) via the link BEFORE May 11th, 2023.
If you have issues, please email robert.walker@ieee.org