



NEWSLETTER

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

2024 BR SECTION CONTACTS

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Chairman's Message

IEEE is celebrating 140 years. Members included Nichola Tesla, Alexander Gram Bell and Thomas Edison. IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE has over 460,000 members in 190 countries, organized into 10 regions / 6 US regions. Region 5 has more than 23,000 higher grade members and over 3600 student members. Region 5 is aligned with 26 sections and over 90 student branches.

The September meeting was a joint meeting with IAS, ISA and WIE; held in person with a total of twenty-four (24) in attendance. Twelve (12) were IEEE members and twelve (12) guests. Those in attendance included two (2) IEEE IAS, three (3) ISA members and five (5) students.

The September meeting topic was "Electrical, Instrumentation & Controls Engineering: Their Contribution to Process Safety Management" presented by Karen D. Morton, P.E., FS Eng (TÜV Rheinland) with Hargrove Controls + Automation.

The presentation covered the "Safety Life Cycle" and associated seven phases (Identification of risk, Conceptual Engineering, Engineering Design, Construction, Commissioning & Startup, Operations & Maintenance, and Modifications). Karen reviewed each phase and explained what role everyone has in each phase of the "Safety Life Cycle" from identifying hazards to engineering thru implementing solutions and modifications. She further expanded on the vital role that Electrical, Instrument and Controls/Automations individuals have in all phases of the "Safety Life Cycle" from identifying hazards to providing input and documents with the various phases. Electrical will have input related to the power system and provide documents such as area classification, one lines, UPS, motor elementaries, specifications and plan drawings. Instrument will have input related to the instrumentation system and provide documents such as P&ID, specifications, block diagrams, loops, wiring, instrument indexes, and plan drawings. Controls/Automation will be involved in all phases and have input or develop items such as system hardware, network architecture, logic, communications, testing, and cybersecurity.

Karen concluded in reminding us that risk reduction is a process (Safety Life Cycle) with multiple phases from beginning to end and all phases of the "Safety Life Cycle" need everyone involved.

October 10, 2024

LaContea Italiano Ristorante
Presentation Starts At 6:30pm

To RSVP to meeting click on link below

<https://events.vtools.ieee.org/event/register/438104>

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

- October 10, 2024 – Grounding, Rob Dannemiller, Post Glover Resistors, Inc.
- November 14, 2024 – To Be Determined, Jason Giroir HV Sales Company
- December 12, 2024 – ARC Flash Mitigation, Matt Proctor Root 3 Power LLC
- January 9, 2025 – To Be Determined

Thanks.
Robert Walker

MEETING NOTICE

Date: Thursday October 10, 2024

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

Place: LaContea Italiano Ristorante

Speaker Presentation.....6:30pm

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

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

- IEEE / Region 5
 - IEEE: 140th anniversary
 - IEEE Move Truck; considering supporting/volunteering <https://move.ieee.org/> - move@ieeer5.org
 - IEEE –Election process
 - IEEE STEM Summit October 23-25, 2024, virtual event for global STEM educators and enthusiasts
Registration Link: <https://www.airmeet.com/e/27327af0-3e20-11ef-af6d-bbb5f01b3449>
STEM Summit Website: <https://stem-summit.tryengineering.org/>
- BR Section 2024:
 - Volunteers
 - Website development committee
 - IEEE LSU Presentation / Southern Presentation
 - 2024 BR IEEE Presentations
- Other
 - Conferences, Webinars, Professional Activities
 - 2025 IEEE Green Tech / IEEE Student Competition / IEEE R5 Annual Meeting Mar 26-30 Wichita, KS
 - 2025 IEEE IAS PCIC Conference Sept 22-25 in Dallas, TX
- **CONTINUING PROFESSIONAL DEVELOPMENT PRESENTATION**

"SAFETY/SUSTAINABILITY"

"What's new with High Resistance Grounding?"

Presented by: Rob Dannemiller

ABSTRACT of PRESENTATION

This presentation will discuss the advantages of using High Resistance Grounding (HRG) techniques in your facility versus having ungrounded or solidly grounded systems. Discussions will include arc-flash mitigation, limiting fault current to avoid downtime, feeder monitoring, etc.

BIOGRAPHICAL DATA of PRESENTER

Rob Dannemiller is the regional sales manager for Post Glover Resistors. He has worked in the electrical/ control industry for over 40 years, including the last nineteen with Post Glover Resistors. He has a BSME from the University of Michigan and an MBA from the University of Cincinnati and is a long-standing IEEE member.

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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.

2024-2025 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 cpumfol@lsu.edu
Advisor: TBD

2023-2024 Officers of the IEEE SU Branch

Southern Branch Officers list is being updated.
Counselor: Dr. Fred Lacy – fred.lacy@subr.edu
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MemberChair: Keyonna Brown keyonna.brown@sus.edu

RSVP (Non-Members and Members) via the link BEFORE October 10, 2024

If you have issues, please email robert.walker@ieee.org