



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 June, 2025

2025 BR SECTION CONTACTS

Chair

Robert Walker
(225) 907-7622 (C)
robert.walker@ieee.org

Past Chair

Don Couvillion
(225) 362-2846 (C)
dcouvill@ieee.org

Vice-Chair

Donald Elliott Jr.
404-274-3221 (C)
donaledlliottjr@hotmail.com

Treasurer / Secretary

Seth Chandler
(225) 300-4341 (C)
sethchandler@gmail.com

Newsletter Editor

Robert Walker

IAS Chapter Chair

Robert Sorbet
rsorbet@staffordelectricalsales.com

Professional Activities

Dennis M. Kates

WIE Affinity Group Chair

Vacant

Membership Development

Vacant

Web Master

Vacant

Student Activity/Rep

Vacant

Student Branch

Counselors

LSU- TBD
SU – Dr. Fred Lacy

Chairman's Message

Looking for Help to run the Baton Rouge Section.

Newsletter Editor, Web Master/Site Developer, WIE Chair, etc.

Any help is appreciated.

The May meeting was a joint meeting with IAS, ISA and WIE; held in person with a total of fifteen (15) in attendance. Twelve (12) were IEEE members and three (3) were guests. Those in attendance included three (3) ISA members.

The topic for the meeting was "Grounding for Electrical Power Systems (Low Resistance and High Resistance System Design)". The presenter was Manjeet Malik with I-Gard Corporation. The presentation started with a review of the common types of power system grounding; ungrounded, solidly grounded, and impedance grounded. The advantages and disadvantages of each type were discussed. The remainder of the presentation focused on impedance grounded systems because they limit equipment damage and potential personnel injury during phase to ground faults. Phase-to-ground faults account for 95% of all faults. A list of IEEE and NFPA Standards which reference the application of impedance grounding systems was provided. Both low and high resistance grounding was discussed and when each type is typically used. It was explained that high resistance grounding is typically used on systems whose phase-to-phase voltage is less than 5kV and where phase to ground fault current is limited to less than or equal to 10 amps. Although high resistance grounding can be applied on higher voltage systems, this is less common. Low resistance grounding is typically applied on systems with phase-phase voltages are 5kV or more with ground fault currents of more than 10 amps. When designing impedance grounded systems, it is important to consider the power system's capacitive charging current. Some rules-of-thumb were provided for estimating the system charging current. The insulation rating of the cables used in an impedance grounded system must be reviewed because the system will be subjected to higher-than-normal system voltages during ground faults. Resistor monitoring systems were discussed. These ensure that the impedance grounding system is intact. Although resistor monitoring systems are not required in the United States, the Canadian Electrical Code now requires resistor monitoring. Smart HRG system protective relays were discussed. These relays have features which address how a second phase to ground fault is handled and may provide arc detection features to minimize breaker tripping time in the event of some faults.

June 12, 2025

LaContea Italiano Ristorante

Presentation Starts At 6:30pm

To RSVP for the meeting click on link below

<https://events.vtools.ieee.org/event/register/488082>

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

- June 12, 2025 – Arc Flash Protection with Current Limiting Fuses, Joey Giles Electrical Equipment Enterprises
- July 10, 2025 – To be Determined, Shawn Johnson Eaton
- August 14, 2025– Big Data and ME, Karen D. Morton, PE
- Sept 11, 2025 – Batteries Various Types, Uses, pros/cons, Tim Trae Tindall Power Storage Solutions
- Oct 9, 2025 – Engineering Ethics, Donna Sentell LPELS (**Location will change for this month**)

MEETING NOTICE

Date: Thursday June 12, 2025

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/BR Section 2025:
 - Election IEEE changed process to all online, plan is to initiate 3rd qtr with elections 4th qtr.
 - Volunteers needed -- see open positions Page 1
 - October Ethics meeting – Will be at different location...suggestions
- Conferences, Webinars, Professional Activities
 - August 4-7 TEMSCON Global 2025, San Diego, California
 - Sept 22-25 IEEE IAS PCIC Conference in Dallas, TX

• CONTINUING PROFESSIONAL DEVELOPMENT PRESENTATION

"Using Current Limiting Devices to Mitigate Arc Flash"

Presented by: Andrew Garcia

ABSTRACT of PRESENTATION

The presentation will explain how current limiting devices can help mitigate arc flash on electrical systems. We will review the challenges organizations can have mitigating arc flash on the modern grid and the reasons these challenges are emerging. Both traditional current limiting devices and modern current limiting devices will be reviewed. The presentation will give practical advice on how to implement these devices to mitigate arc flash along with picking the ideal device for a given scenario. Real world examples of arc flash mitigation using current limiting devices will be discussed. Audience participation is encouraged both during and after the presentation.

BIOGRAPHICAL DATA of PRESENTER

Andrew Garcia started at G&W Electric in 2022 as the CLiP® Current Limiting Protection System Analyst. He has years of experience in mitigating arc flash and short circuit risks. One of his responsibilities is to assist customers in implementing CLiP in their electrical systems. Using CLiP, he has assisted many organizations in rectifying arc flash and short circuit issues so that their projects remain safe and on schedule. His knowledge of power systems and technical facets of the CLiP allow him to provide invaluable after-market support. Andrew graduated for University of Illinois Urbana-Champaign with a B.S. in electrical engineering. Andrew is a participant in CIGRE and has given presentations at events such as Enlit Asia.

Andrew Garcia

Field Application Eng | G&W Electric

305 W. Crossroads Pkwy, Bolingbrook, IL 60440

Tel: 847-997-6361

e-mail: angarcia@gwelec.com

2024-2025 Officers of the IEEE LSU Branch

President – Hezron Agoi hagoi1@lsu.edu

Vice President – Miguel Gutierrez mguti25@lsu.edu

Secretary – Raelyn J Edwards redwa54@lsu.edu

Treasurer – Samuel I Pettitt spetti4@lsu.edu

Event/Prog Coordinator- Michael D Curry mcurr23@lsu.edu

Social Media Manager – Aiden D Richard aric226@lsu.edu

Membership- Sarah N Seeger sseege4@lsu.edu

Publication Coordinator – Alcina Costa tcosta5@lsu.edu

Merchandise Manager- Tyler A Trauernicht ttrauel@lsu.edu

Advisor: TBD

2024-2025 Officers of the IEEE SU Branch

Southern Branch Officers list is being updated.

Counselor: Dr. Fred Lacy – fred.lacy@subr.edu

Chair: Langston Fogg langston.fogg@sus.edu

ViceChair: Darius Taylor darius.taylor@sus.edu

Secretary: Devin Sloan devin.sloan01@sus.edu

Treasurer: Knykolas Ross knykolas.ross@sus.edu

ProgChair: LaBrea Brumfield labrea.brumfield@sus.edu

FundChair: Jaleicia Miller Jaleicia.Miller@sus.edu

ComChair: Ashiriah Williams ashiriah.williams@sus.edu

MemberChair: Keyonna Brown keyonna.brown@sus.edu

RSVP (Non-Members and Members) via the link BEFORE June 12, 2025

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