



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 Jan, 2025

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Chairman's Message

Please renew your IEEE membership for 2025? Sign in www.ieee.org, select your name, then select Membership and Subscription Information or call 800 678-4333.

The December meeting was a joint meeting with IAS, ISA and WIE; held in person with a total of eighteen (18) in attendance. Eleven (11) were IEEE members and seven (7) were guests. Those in attendance included three (3) IEEE IAS, and three (3) ISA members.

The meeting topic was “Arc Flash Mitigation with Protective Relays” presented by Matt Proctor, P.E. with Root 3 Power (based in Houston, TX). Mr. Proctor is a Baton Rouge native and a subject matter expert (SME) in power system analysis and protective relaying. Since the meeting attendees were already familiar with arc flashes and their potential for catastrophic damage, the presentation focused on the features comprising a suitable protection system. We learned the six (6) S's of a good protection system... Selectivity, Speed, Sensitivity, Security, Simplicity and \$ (cost efficiency). While legacy induction disc relays remain in service, their increased testing and maintenance requirements can typically justify replacement with solid-state protective relays, which have numerous advantages including enhanced protection features and smaller physical size. However, the increased protection features also mandate adequate documentation for relaying schemes... especially with the more complicated schemes.

January 09, 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/460428>

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

- January 9, 2025 – Dealing with Issues associated with VFD's, David Hunt Yaskawa
- February 13, 2025 – Power Factor Correction, Nick Losito InoLect
- March 13, 2025 – To Be Determined, Robert Sorbet Stafford Electrical Sales
- April 10, 2025 – Planning the Future: A Cost-Effective Approach to Modernizing Aging Switchgear, David Parker Schneider Electric
- May 8, 2025 – Grounding for Electrical Power Systems (Low Resistance and High Resistance System Design), Manjeet Malik I-Gard Corporation

Thanks.
Robert Walker

MEETING NOTICE

Date: Thursday January 09, 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 2024:
 - Meetings
 - Location
 - Topics
 - Members who are registered IEEE site
 - Volunteers, Website development committee
 - Election Upcoming –
 - Committee Nomination –
 - Volunteers –
- 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

"Motor Protection in VFD applications"

Presented by: David Hunt

ABSTRACT of PRESENTATION

This technical presentation will discuss Motor Protection in VFD applications and explore options in addressing concerns with Reflective Wave caused by Motor Cable Length. Review of the history of VFD Topologies, definitions of equipment and dealing with issues associated with VFD's will be presented.

BIOGRAPHICAL DATA of PRESENTER

David Hunt is the Regional Drives Specialist for Yaskawa. David began his career as a Marine Corp Aviation Technician. He then worked in the electrical construction industry followed by 24+ years as a Electrical Industrial Sales for ACC specializing in Low and Medium Voltage Variable Frequency Drives.

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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.

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RSVP (Non-Members and Members) via the link BEFORE January 09, 2025

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