



## 2024 BR SECTION CONTACTS

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### IAS Chapter Chair

Charles Darnell

### Professional Activities

Dennis M. Kates

### WIE Affinity Group Chair

Vacant

### Student Branch

Counselors  
LSU- TBD  
SU – Dr.Fred Lacy

## Chairman's Message

The June meeting was a joint meeting with IAS, ISA and WIE; held in person with a total of nineteen (19) in attendance. Sixteen (16) were IEEE members and three (3) guests. Those in attendance included four (4) IEEE IAS, two (2) ISA members and one (1) student.

The June meeting topic was "Uninterruptible Power Systems" presented by Jim Amicon. with Ametek Solidstate Controls. This presentation was an introduction to AC Uninterruptible Power Systems, it focused on the design and topology utilized based on the nature of the application. Items discussed included: UPS Application, Critical AC UPS Components, UPS Topology, Rectifier Charger Technologies, Inverter Technologies, Static Switch Design, Manual Bypass Switch, Batteries, AC Output 1Phase or 3Phase, AC Distribution Considerations and Different System Configurations. Jim reviewed the components, applications, and pros and cons of the four basic UPS system topologies 1) Typical Offline System; 2) Single Conversion System; 3) Single Conversion System; and 4) On-Line Double Conversion. He listed the four main components in any online double conversion uninterruptible power supply (UPS) system: Rectifier; UPS Batteries; Inverter; and Static Bypass Switch along with other components such as the Maintenance Bypass Switch. Different UPS system configurations were presented including dual charger, dual charger with rectifier input inverter, parallel redundant UPS's, cascade redundant, manual redundant five position and remote manual bypass. He discussed various battery types along with the pros and cons of each for use in UPS's. Selective coordination is critical to avoid blackouts, especially with smaller kVA UPS's. Protection using current limited fuses with ¼ cycle or less clearing time is preferred. True RMS breakers are good but expensive. Thermal-mag breakers are least preferred since they have typically taken 3-4 cycles to operate. The presentation provided the general knowledge to make educated decisions when specifying, designing and or installing an Uninterruptible Power Supply for applications.

**August 08, 2024**

**LaContea Italiano Ristorante  
Presentation Starts At 6:30pm**

To RSVP to meeting click on link below

<https://events.vtools.ieee.org/event/register/426773>

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

- August 8, 2024 – To Be Determined David Smith/Triad
- September 12, 2024 – To Be Determined, Karen D. Morton, PE
- October 10, 2024 – Grounding, Rob Dannemiller, Post Glover Resistors, Inc.
- November 14, 2024 To Be Determined, Jason Giroir HV Sales Company

Thanks.  
Robert Walker

# MEETING NOTICE

Date: Thursday August 08, 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 –Election process
- BR Section 2024:
  - Website development committee
  - IEEE BR YP Group / STEM
- Other
  - Conferences, Webinars, Professional Activities
  - 2024 IEEE IAS PCIC Conference, Sept 16-19 Orlando, FA
- **CONTINUING PROFESSIONAL DEVELOPMENT PRESENTATION**

## **“Business Needs - OSHA compliance of Safety Instrumented Systems or SLM Safety Lifecycle Management”**

**Presented by: Nigel James**

### **ABSTRACT of PRESENTATION**

This presentation will discuss the Business Needs for OSHA compliance of Safety Instrumented Systems (SIS) or Safety Lifecycle Management (SLM). The presentation will review the related regulations, standards and guidelines along with requirements and challenges for compliance.

### **BIOGRAPHICAL DATA of PRESENTER**

Nigel James is a well-versed entrepreneur in the Industrial Controls System (ICS) space. He sits on the Control System Integrators Association (CSIA) Digital Transformation task force and hosts his own Digital Future committee that meets once a month with vendors and end users. He has a Professional Certificate from the New York Institute of Finance Mergers and Acquisition Course in 2017 and is very active in the M&A space.

Nigel James  
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Triad Control Systems  
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- 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](mailto:jbijou2@lsu.edu)  
**Vice President** – Noah Fontenot [nfont26@lsu.edu](mailto:nfont26@lsu.edu)  
**Secretary/Treasurer** – TBD  
**Coordinator** –Chandler Pumford [cpumfo1@lsu.edu](mailto:cpumfo1@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](mailto:fred.lacy@subr.edu)  
**Chair:** Langston Fogg [langston.fogg@sus.edu](mailto:langston.fogg@sus.edu)  
**ViceChair:** Darius Taylor [darius.taylor@sus.edu](mailto:darius.taylor@sus.edu)  
**Secretary:** Devin Sloan [devin.sloan01@sus.edu](mailto:devin.sloan01@sus.edu)  
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**ComChair:** Ashiriah Williams [ashiriah.williams@sus.edu](mailto:ashiriah.williams@sus.edu)  
**MemberChair:** Keyonna Brown [keyonna.brown@sus.edu](mailto:keyonna.brown@sus.edu)

**RSVP (Non-Members and Members) via the link BEFORE August 07, 2024**

**If you have issues, please email [robert.walker@ieee.org](mailto:robert.walker@ieee.org)**

Ramblings and etc.