



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 Sept, 2024

## 2024 BR SECTION CONTACTS

### Chair

Robert Walker  
(225) 907-7622 (C)  
[robert.walker@ieee.org](mailto:robert.walker@ieee.org)

### Past Chair

Don Couvillion  
(225) 362-2846 (C)  
[dcouvill@ieee.org](mailto:dcouvill@ieee.org)

### Vice-Chair

Donald Elliott Jr.  
404-274-3221 (C)  
[donaldelliottjr@hotmail.com](mailto:donaldelliottjr@hotmail.com)

### Treasurer

Seth Chandler  
(225) 300-4341 (C)  
[sethchandler@gmail.com](mailto:sethchandler@gmail.com)

### Secretary

Seth Chandler  
(225) 300-4341 (C)  
[sethchandler@gmail.com](mailto:sethchandler@gmail.com)

### Newsletter Editor

Robert Walker

### 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 July meeting was a joint meeting with IAS, ISA and WIE; held in person with a total of twenty-eight (28) in attendance. Fourteen (14) were IEEE members and fourteen (14) guests. Those in attendance included five (5) IEEE IAS, four (4) ISA members and one (1) student.

The July meeting topic was "Business Needs - OSHA compliance of Safety Instrumented Systems or SLM Safety Lifecycle Management" presented by Nigel James Program Management with Triad Control Systems.

This presentation was on the Business Needs for OSHA compliance of Safety Instrumented Systems (SIS) or Safety Lifecycle Management (SLM). The presentation reviewed the related regulations, standards and guidelines along with requirements and challenges for compliance. These included OSHA 1910 and IEC 61511. OSHA 1910.119 Process Safety Management of Highly Hazardous Chemicals, say all safety equipment must be designed, maintained, inspected, tested, and operated in a safe manner, and must follow Recognized and Generally Accepted Good Engineering Practices (RAGAGEP). IEC 61511 "Functional safety - Safety Instrumented Systems for the Process Industry Sector" is a standard for safety instrumented systems (SIS), based on IEC 61508. It covers the specification, design, installation, operation and maintenance of SIS to achieve or maintain a safe state of the process. He reviewed Safety Integrity Levels (SIL) and mentioned not just pass/fail based on SIL calculation but to understand the requirements and simplify. An SLM can be simple, sustainable and meet Recognized and Generally Accepted Good Engineering Practices (RAGAGEP). Ensure all documents can be found easily.

Nigel emphasized several times during the presentation that one should: "Say What You Do and Do What Your Say" ---- "Define What to do and Do It"

**September 12, 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

- September 12, 2024 – Process Safety Management", 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
- December 12, 2024 – ARC Flash Mitigation, Matt Proctor Root 3 Power LLC

Thanks.

Robert Walker

# MEETING NOTICE

Date: Thursday September 12, 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:
  - Volunteers
  - Website development committee
  - IEEE LSU Presentation / Southern Presentation
  - 2024 BR IEEE Presentations
- Other
  - Conferences, Webinars, Professional Activities
  - 2024 IEEE IAS PCIC Conference, Sept 16-19 Orlando, FA
- **CONTINUING PROFESSIONAL DEVELOPMENT PRESENTATION**

## **"Electrical, Instrumentation & Controls Engineering: Their Contribution to Process Safety Management"**

**Presented by: Karen D. Morton, P.E., FS Eng (TÜV Rheinland)**

### **ABSTRACT of PRESENTATION**

Most presentations about Process Safety Management focus on the OSHA Process Safety Management Regulation and compliance steps using the IEC 61511 standard. Presenters speak their specialty "alphabet soup" accompanied by slides full of paragraphs, charts, and tables that are often confusing to working engineers whose expertise lies outside process/chemical or process safety engineering.

This is not that kind of presentation.

Electrical and Controls engineers play a vital role in all phases of the "safety life cycle" from identifying hazards to engineering and implementing solutions. This presentation will focus on those contributions by answering the questions of "what," "when," "how," and "why" with a goal to improve the lines of communication among engineers who design, operate, and maintain facilities.

### **BIOGRAPHICAL DATA of PRESENTER**

Karen has worked as an engineer with process safety and control systems projects in South Louisiana's petrochemical industry since 1995. She is a licensed professional engineer in Louisiana, Texas, New Jersey and Alabama. She also has functional safety engineering certification from TÜV Rheinland. Karen works at Hargrove Controls + Automation in Baton Rouge as a C+A SIS Technical Consultant, where she concentrates on process safety and burner management system projects. A member of ISA and IEEE, Karen co-authored ASSP's reference guide Applied Mathematics for Safety Engineers. Her many hobbies include running, photography, jewelry making, writing and science fiction.

Karen D. Morton, P.E., FS Eng (TÜV Rheinland)

Hargrove Controls + Automation

4153 South Sherwood Forest Blvd. Suite 120

Baton Rouge, LA 708016

Cellular: 225-937-3657

Email: [kmorton@hargrove-epc.com](mailto:kmorton@hargrove-epc.com)

### **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.

### **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)

**Treasurer:** Knykolas Ross [knykolas.ross@sus.edu](mailto:knykolas.ross@sus.edu)

**ProgChair:** LaBrea Brumfield [labreya.brumfield@sus.edu](mailto:labreya.brumfield@sus.edu)

**FundChair:** Jaleicia Miller [Jaleicia.Miller@sus.edu](mailto:Jaleicia.Miller@sus.edu)

**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 September 12, 2024**

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