



2023-2024 BR SECTION CONTACTS

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LSU- Dr. Choi
SU – Dr. Fred Lacy

Chairman's Message

The March meeting was held in person with a total of 26 in attendance. Seventeen (17) were IEEE members and four (4) were guests. Those in attendance included four (4) IAS and two (2) ISA members.

The March meeting topic was "Power Factor Correction Placement on Low and Medium Voltage System" presented by Alejandro Deschamps with Southern States LLC. Alejandro listed several reasons given for installing capacitor banks. He said that reduction in penalty and improved voltage regulation are true; however, reduction in losses is true but reduction in conductor size is false.

When implementing a power factor correction project in a facility, there's always the question on whether the equipment should be installed on the low voltage buses closer to the loads or on the medium voltage bus. The answer is not always trivial, the optimal solution will depend on several factors like the size of the facility, the distribution network, power demand, power quality of the loads, voltage regulation, physical space available, etc. He showed several examples to compare the economics and payback of no capacitors, installing individual capacitors at load, installing grouped capacitors on the LV system and capacitors installed on the MV system.

He reviewed some takeaways which included:

- As a general rule of thumb, the larger the facilities the more convenient it is to install MV capacitors. They have a much lower installed cost and allow some voltage control.
- Many facilities use a combination of MV capacitors and LV group for problematic buses.
- For smaller to medium facilities, he recommends a load flow analysis on LV buses. For larger facilities MV analysis is enough.

In closing he mentioned that capacitor banks usually switch in and out, and are impacted by and also impact drives.

Please RSVP before the day of the meeting. The sign-in list is typically published based on those that registered as of mid-day Wednesday (about 12 noon). Also note there is a charge, at the door, for meals at our IEEE meetings and we can only accept payment in cash or check.

The next Baton Rouge Section IEEE meeting will be held:

April 13, 2023

LaContea Italiano Ristorante

Presentation Starts At 6:30pm

Please RSVP BEFORE April 13

To RSVP to meeting click on link below

<https://events.vtools.ieee.org/event/register/356244>

Your RSVP for the meeting is important as this is an in-person meeting.

UPCOMING AGENDA

- May 11, 2023 – TBD Josh Norton, Pinnacle Power
- June 8, 2023– IEC 61914 Cable Cleats for Electrical Installation, Charles Darnell P.E., Atkore
- July 13, 2023 – TBD Herman Galatas, TEC Sales; Robert Sorbet Stafford El Sales

If you know of another PDH opportunity, let me know when and where.

Thanks.

Robert Walker

MEETING NOTICE

Date: **Thursday April 13, 2023** Time: Social.....6:00pm
Place: **LaContea Italiano Ristorante** Speaker Presentation.....6:30pm
Dinner: **Cash or Check only (\$20 members/ \$30 non-members/ \$10 students)**

AGENDA:

- Meeting Sign-in—**Please circle if IEEE IAS ISA WIE member.**
- 2023 IAS Electrical Safety Workshop (Reno)
- 2023 PCIC
- 2023 Tech Night
- Upcoming Events
 - April 19-21 2023; IEEE Green Conference (Denver)
 - April 21-23 2023; IEEE Region 5 Annual Meeting & Student Competitions (Denver)
 - August 11-13 2023; IEEE Sectional Congress (Ottawa)
 - Sept 11-14 2023; IEEE PCIC (New Orleans)
- **CONTINUING PROFESSIONAL DEVELOPMENT** Joint meeting IEEE, IAS & WIE Professional Presentation

"Arc Flash Protection by Design"

Presented by: Andrew Young and Shawn Johnson
Eaton Corporation

ABSTRACT of PRESENTATION

This presentation will be on "Arc Flash Protection by Design."

With increasing emphasis on safety and protection from arc flash hazards, there is increasing pressure on design professionals to include distribution equipment features which help mitigate potential arcing event hazards, either reduction or eliminating them altogether.

It is the purpose of this presentation to review general methods of reducing arc flash hazards and help design professionals consider the variety of options available to them.

BIOGRAPHICAL DATA of PRESENTER

Andrew Young has 10 years of journeyman electrician experience, prior to earning a degree from Louisiana State University in Construction Management. Andrew has over 5 years' experience in sales and distribution experience with Eaton Corporation.

Shawn Johnson has over 30 years' experience in engineering, including assignments in consulting, utility distribution engineering, petrochemical environment, sales with Schneider (late 90's), 8 years sales with Eaton, and presently is an Application Engineer for the gulf district of Eaton Corporation.

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Ramblings and etc.

- **Meeting notices will be emailed each month.**
- Please use the link in the email to register or join meeting. If you do not get an email meeting notice each month, Please notify one of the officers.
- If you cannot RSVP thru the link or have questions, please email, or call Robert Walker or one of the other officers.
- Meeting sign-in include if member of IEEE, IAS, ISA or student.

VISIT THE BR SECTION WEBSITE

We are working on updating the BR IEEE section website

<http://sites.ieee.org/baton-rouge/>
[Section Newsletters](#)

2022-2023 Officers of the IEEE LSU Branch

President – Chandler Pumford cpumfo1@lsu.edu
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Treasurer – Nathan Muralles- nmural1@lsu.edu
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2022-2023 Officers of the IEEE SU Branch

Southern Branch Officers list is being updated.
Officer: Vacant
Counselor: Dr. Fred Lacy – fred.lacy@subr.edu

RSVP (Non-Members and Members) via the link BEFORE April 13th, 2023.

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