



ORLANDO PES/PEL/IAS JOINT CHAPTER

MONTHLY NEWSLETTER

June 2022

Upcoming Events

Tour of FMPA Cane Island Power Park – Aug 30th

Come out and tour the Florida Municipal Power Association and Kissimmee Utility Authority Cane Island Power Park. There are three combined cycle units and a simple cycle combustion turbine of a variety of sizes. We will start with some Pizza and a presentation followed by a walking tour. Dress should be business casual and appropriate for being in a working power plant including closed toe sturdy shoes, pants/jeans, and no clothing or accessories that can catch on equipment. The site tour will be 1-2 miles or more of walking with non air conditioned spaces, gravel, open elevated grating, confined spaces, and stairs. Please bring a government issued photo id such as a driver license, passport, or ID card. RSVP's required.

RSVP on vTools here: <https://events.vtools.ieee.org/m/316773>





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Future Events

UCF Lab Tours

The Orlando PES chapter Excom is working to set up a tour for a few of UCF's innovative labs that relate to utilities and power systems. The tour will take place in the late summer or early fall. More information on the tour and the labs will be available in the next newsletter.

PES Distinguished Lecturer

The Orlando PES chapter Excom is working to secure one of the PES Distinguished Lectures. Stay tuned as these lectures are well worth attending. More information will be provided in the next newsletter.

The PES Distinguished Lecture program provides a list of lecturers who are well-known power engineers who have been working in their specialized areas for a long time. Apart from their technical expertise they have been actively involved volunteering for PES through various Chapter relevant roles locally, regionally or at the governing board of the society. This program brings experts otherwise not available to the chapters, and enhances technical activities and spread the value of the PES brand to members and non-members across their local technical communities.



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Recent Events

Orlando IEEE PES Volunteer Event - Central Florida Miracle League – March 19th

The Central Florida Miracle League Volunteer Event on March 19th, 2022 was a smashing success! The Orlando IEEE PES chapter had a total of six volunteers in attendance who were able to help out with game setup/breakdown, coaching, and even assisting players in the field. The miracle league representatives invited the chapter back and are happy to have our help whenever possible.





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IEEE PES UCF Student Chapter and Orlando Professional Chapter Topgolf Outing – March 25th

On March 25th, 2022 the Orlando PES chapter hosted another successful joint Topgolf event with the UCF PES student chapter. A total of eight UCF students were able to network with nine industry professionals! The chapter values such events as they work towards bridging the gap between the academic and professional worlds.



TOUR OF FPL 400 MW MANATEE ENERGY STORAGE CENTER – April 22nd

In a joint effort with the IEEE Florida West Coast Section PES/IAS, we were able to provide a tour to our members. Special thanks to the IEEE Florida West Coast Section PES/IAS and Florida Power & Light (FPL) for the opportunity.



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Orlando IEEE PES/IAS/PEL Spring Technical Conference

The Orlando IEEE PES/IAS/PEL chapter and UCF sponsored the spring technical conference. Over 4 evenings we hosted 8 speakers from the University of central Florida. Attendance averaged 16 folks a night and we learned a lot about the new research going on with power systems. We look forward to returning to our in-person format in the Spring of 2023!



IEEE Orlando PES/PEL/IAS Member Highlight

Jesse Sheplow

Jesse Sheplow received his Bachelors in Electrical Engineering from the University of Central Florida in 2021. After graduation, Jesse joined the IEEE Orlando PES/PEL/IAS Joint Chapter's Excom where he currently serves as secretary. He joined Burns and McDonnell as an Assistant Substation Engineer in May 2021. His focus is on the Protection & Control design and power distribution of electric power substations. His responsibilities include the insurance that all designed projects comply with National Electric Codes & IEEE standards as well as verifying that schematic design and protection schemes of substations are efficient, secure, and reliable.



Miscellaneous

Meetings, Classes, and Tour Ideas:

One of an IEEE Chapter main purpose is to bring content to our local members. We are always looking for new presenters and tours, if you have:

- Worked on a completed a really interesting project and would like to talk about it (15-45 minutes)
- Have familiarity with an area are and are willing to teach on any topic in Power Engineering, Industrial Applications, or Power Electronics (1-6 hours)
- Have an interesting and novel product or capability you want to share or show off (15-45 minutes)
- Have a facility that you think folks would be interested in seeing like: (30 minutes – 2 hours)
 - o a power plant



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- laboratory
- manufacturing
- switching station
- water plant
- automated laundry facility
- anything that engineers would like, it doesn't have to be strictly electrical

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