

Nigeria Section

Ifeyinwa Achumba - Chair

Section Vitality

Last Section election: October 2023 through the vTools ballot platform.

Next elections:

- Treasurer position: Mid-year 2024.
- General election: Last quarter of 2025.

Newly elected officers (2024-2025):

- Chair: Prof. Ifeyinwa Eucharia Achumba
- Vice Chair: Prof. Kingsley Ukaoha
- Secretary: Dr. Ezekiel Aneke
- Assistant Secretary: Oto-obong John Effiong
- Publicity Secretary: Dr. Reginald Ogu
- Treasurer (position not advertised due to ongoing term (tenure))

The practice of Vice-Chair becoming Chair: **Not automatic.**

Section Activities till date

1. Monthly Excom meeting – January 20th, January 27th (Emergency Excom Meeting), and February 24th.
2. NIGERCON 2024 Weekly Planning Meeting January – February, 2024

Member Recruitment and Retention

- Committee: Student Activities Committee and Member Development Officer.
- Task: Work on modalities to retain and recruit both students and professionals.
- Results: Not yet available (newly appointed committee).

Newly formed Chapter/Student branch/Student branch Chapters in Nigeria Section:

1. Power Electronics Society Nigeria Section Chapter-PEL35(CH08516)
- 2.

Students

The list of Active Student Branches in the Nigeria Section is shown below:

University of Lagos	Obafemi Awolowo University
University of Ibadan	Federal University of technology Owerri.
Nnamdi Azikiwe University Awka	Elizade University
Afe Babalola University	Enugu state University of technology
Institute of Management Technology	Rivers State University
University of Port Harcourt	Niger Delta University
Nile Turkish University	Federal University of Technology Minna
Ahmadu Bello University	University of Nigeria Nsukka
Skyline University Kano	

Other OU Activities

1. Demystifying Electron Devices: From Transistors to Laser- SBC6386II - Enugu State University of Science & Tech, ED15: 24/01/2024.
2. Webinar on Renewable Energy Harvesting for Power Sustainability: CH08745 - Nigeria Section Chapter, PE31 24/02/2024
- 3.
4. IEEEEXTREME WEBINAR: Obafemi Awolowo University SB -12/8/2023
5. 3 Days Solar Skill Up and Installation Of 1KVA Inverter at Comprehensive Science and Technical College Nawfia: SBC61881A - Nnamdi Azikiwe University, RA24-11/10/2023
- 6.

7. Accessing The Potential Benefits Of IEEE: Federal University of Technology Owerri 3/10/2023
8. An overview of signal processing and its applications in engineering: Enugu State University of Science & Tech, SP01 3/31/2023
9. IEEE Nigeria Southeast Subsection Administrative Meeting: Nigeria Section 4/1/2023
10. IEEE PES Day Info Session - Africa Edition- PE31 4/15/2023
11. IEEE OAUSB Executive Committee Bi-weekly Meeting - 3: Obafemi Awolowo Univ 4/16/2023
12. IEEE UI-SB HARDWARE TRAINING 2: Ibadan Univ of 4/22/2023
13. Control Systems in Robotics and Automation: Nigeria Section Chapter, RA24 4/22/2023
14. IEEE Nigeria Southeast Excom: Nigeria Section 4/22/2023
15. SIGHT WEEK: Kenya Section SIGHT 4/29/2023
16. IEEE UI-SB HARDWARE TRAINING 3: Ibadan Univ of 4/29/2023
17. introduction to electronics packaging for engineering students: Inst of Management & Technology Enugu, EP21 5/3/2023
18. Students Professional Awareness Program (SPAP): Afe Babalola University 5/5/2023
19. Introduction to IEEE and its benefits for STEM students: Univ of Nigeria, Nsukka 5/6/2023
20. IEEE UI-SB HARDWARE TRAINING: Ibadan Univ of 5/15/2023
21. IEEE ESUT SPAA 2023: Enugu State University of Science & Technology 5/25/2023
22. Unlocking the Power of Signal Processing: Applications in Everyday Life: Enugu State University of Science & Tech, SP01 6/2/2023
23. Introduction to Power Electronics: A general overview of power electronics, its applications, and its significance in various industries: Nigeria Section Chapter, PEL35 6/3/2023
24. Technical Meeting, Software Exhibition and Membership Drive: Nigeria Section Chapter, COM19 6/6/2023

25. Workshop on Analog Circuit Design Techniques: Enugu State University of Science & Tech, SSC37 6/7/2023
26. Introduction to Robotics: Nigeria Section Chapter, RA24 6/10/2023
27. Power Electronics Applications in Renewable Energy Systems: Enugu State University of Science & Tech, PEL35 6/14/2023
28. Introduction to Electronics Packaging Materials: Enugu State University of Science & Tech, EP21 6/16/2023
29. ASYP2023 Progress meeting: Nigeria Section Affinity Group, YP 6/18/2023
30. Empowering the Future: Career Paths in Power Electronics: Enugu State University of Science & Tech, PEL35 6/20/2023
31. Empowering Nigeria through Sustainable Energy Solutions: Nigeria Section Chapter, PEL35 6/20/2023
32. IEEE UI-SB SPAC 2023: Ibadan Univ of 6/22/2023
33. ASYP2023 progress meeting: Nigeria Section Affinity Group, YP 6/22/2023

Chapters

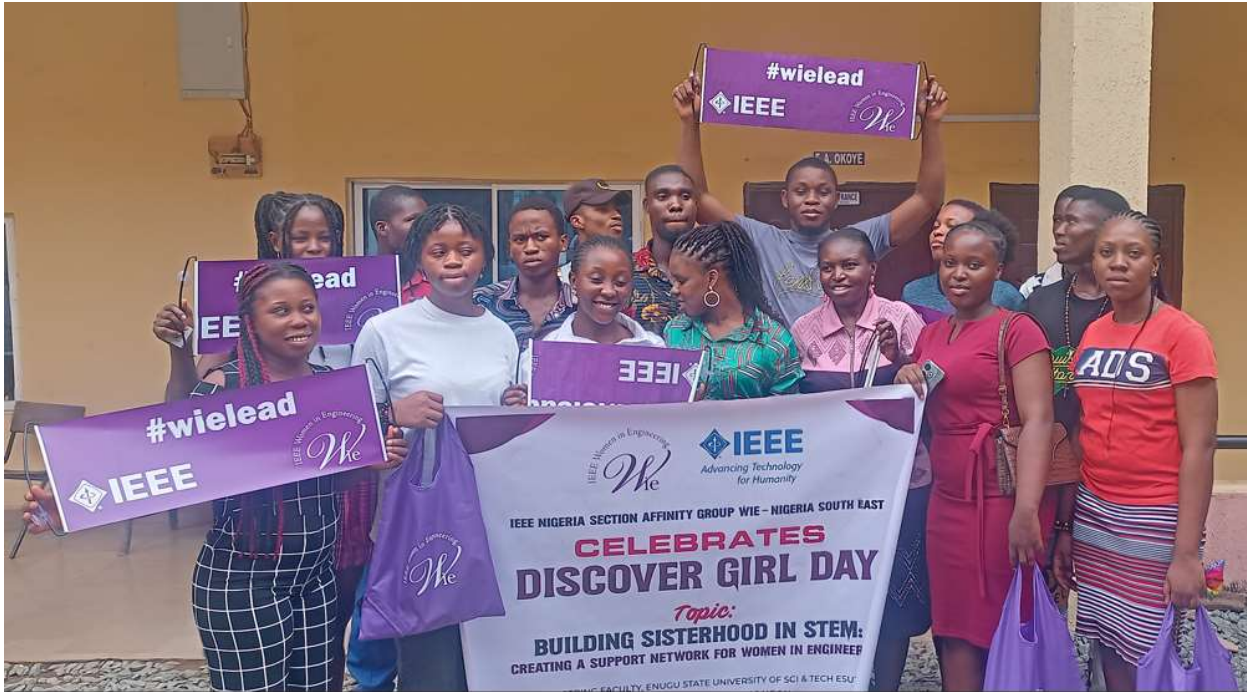
List of Chapters and SB Chapters in your Section, the newly formed or dissolved Chapters, if any since the last meeting reporting. Indicate how many have reported on time and received rebate. Highlight some of the activities.



This is a 3-day practical solar skill up and installation of 1kva inverter to provide lighting for the boarding students of Comprehensive Science and Technical College to read at night. It is a follow-up to the one-day workshop we did earlier on 4th July 2023. It took long for us to do the second part of the program because of long vacation holiday in Nigeria which is usually ending of July to early September.

We trained the students practically for two days the rudiments of solar installation and then did the installation of 1kva inverter for the school on the third day.

The training featured introduction to solar energy systems, types of PV modules and their electrical properties, reading PV modules with multimeter, working with charge controllers, batteries, cables and inverters. Then the installation proper



"Building Sisterhood in STEM: Creating a support network for Women in Engineering" is a seminar featuring three speakers addressing relevant subtopics for female engineers. The talks will cover: navigating your career path and building resilience beyond academics through mentorship, utilizing communication as a tool for networking, and gaining insights into the resources and support offered by the Women in Engineering (WIE) organization.



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Industry

List the activities carried out to foster relations with Industry and the results obtained.

Diversity, Equity and Inclusion

Highlight any diversity metrics (gender, age, religion, geographical, employment, etc.), new initiatives, best practices and progress around diversity and inclusion happening in your Section. Link to IEEE DEI statement [<link>](#).

Activities since the last report

Highlight some of the activities in your Section, with special attention to the things that work well, and things that don't, so that your acquired know-how can be used by other Sections.

Planned Activities

Highlight some of the future activities and initiatives in your Section.

How Region 8 can be of help to your Section, members, and activities

List any challenges your Section is facing and what support is required from the Region 8. Please, also, give us your suggestions for agenda items that you want to be discussed during the R8 Committee meeting.

Any other issues of interest