Nigeria Section   **Dr. Ezekiel Nnamere Aneke - Secretary**

Section Vitality

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

Next elections:

- General election: Last quarter of 2025.

Newly elected officers (2024-2025):

- Chair: Prof. Ifeyinwa Achumba
- Vice Chair: Prof. Kingsley Ukaoha
- Secretary: Dr. Ezekiel Aneke
- Assistant Secretary: Oto-obong John
- Publicity Secretary: Dr. Reginald Ogu

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

Section Activities till date

1. Monthly ExCom Meeting – Last Saturday of every month.
2. Three Technical and Administrative Meetings (1 physical and 2 virtual meeting)
3. NIGERCON 2024 Weekly Planning Meeting January – November 26 -28, 2024
4. 156 events across the Section by chapters and affinity groups. All events are reported on vTools.

Full list of IEEE activities is presented in Appendix A.

Member Recruitment and Retention

- 2024 IEEE Membership Outstanding Recruitment Performance award

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

1. Nile University SB
2. Baze University SB
3. PES NAU SB Chapter
4. IAS NAU SB Chapter
5. RAS FUTO SB Chapter
6. WIE FUTO SB Chapter

Chapters

1. IEEE Communication Society – Nigeria Section Chapter
2. IEEE Computer Society – Nigeria Section Chapter
3. IEEE Power and Energy Society – Nigeria Section Chapter
4. IEEE Robotics and Automation Society – Nigeria Section Chapter
5. IEEE Power Electronic Society – Nigeria Section Chapter
6. IEEE Electron Device Society – Nigeria Section Chapter

Student Branches

1. University of Lagos SB
2. Obafemi Awolowo University SB
3. University of Ibadan SB
4. Federal University of technology Owerri SB
5. Nnamdi Azikiwe University Awka SB
6. Elizade University SB
7. Afe Babalola University SB
8. Enugu state University of Technology SB
9. Institute of Management Technology SB
10. Rivers State University SB
11. University of Port Harcourt SB
12. Niger Delta University SB
13. Nile University SB
14. Federal University of Technology Minna SB
15. Ahmadu Bello University SB
16. University of Nigeria Nsukka SB

Student Branch Chapters

1. IEEE ESUT RAS SB Chapter
2. IEEE ESUT CS SB Chapter
3. IEEE ESUT PELS SB Chapter
4. IEEE ESUT PES SB Chapter
5. IEEE NAU PES SB Chapter
6. IEEE NAU ComSoc SB Chapter
7. IEEE NAU IAS SB Chapter
8. IEEE NAU RAS SB Chapter
9. IEEE FUTO RAS SB Chapter
10. IEEE IMT PELS SB Chapter

Industry
1. PELS Nigerian Section Chapter in collaboration with The Nigerian Institute of Electrical and Electronic Engineers (NIEEE) embarked on industrial visit to 132/33kV Transmission Substation in a bid to celebrate PELS Day 2024.
2. IEEE Nigeria Section Extends hands of Collaboration to NIGCOMSAT
3. IEEE Nigeria Section is collaborating Federal Government under the National Talent Export Program (NAPTEP) for the training of 1,000,000 youths.

Diversity, Equity and Inclusion
The Section leadership is committed to working in alignment with the IEEE Diversity, Equity and Inclusivity of IEEE. Already the inauguration of IEEE Nigeria SouthEast Subsection in Nigeria last year has yielded fruits as our membership is increasing as more people are getting involved IEEE activities. We are encouraging more as such modularization and localization of IEEE activities.

Activities since the last report
Our activities have been reported above. All activities presented in Appendix A are on vTools.

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.

"Building Sisterhood in STEM: Creating a support network for Women in Engineering" is a seminar featuring three speakers addressing relevant subtopics for female engineers.

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PELS Day Celebration in Nigeria

Membership Drive and Technical Presentation was organized by the IEEE ComSoc, Nigeria Chapter co funded by the IEEE ComSoc, HTB and Sule Lamido University Kafin Hausa Jigawa State, Nigeria.

Planned activities

In addition to numerous upcoming activities, the IEEE NIGERCON 2024 Conference is scheduled to take place by November 26 – 28, 2024. >>> https://attend.ieee.org/nigercon-2024/

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

Online payment directly to IEEE using local/Naira debit cards: there is an urgent need to have a platform that will enable Nigerians make payment directly to IEEE without any hassle.

Any other issues of interest

Appendix 1

Full IEEE activities in Nigeria Section

S/N	Title	OU	Date
1	IEEE Progress Event	CH08922, CH08907, CH08912, R80147	14-Oct-24
2	IEEE Student Activity Committee Southeast Sub-section Hackathon Challange	R8013901	8-Oct-24
3	ESUT IEEE Day 2024: Celebrating Technology and Community	STB63861	7-Oct-24
4	IEEE PES UNIZIK celebrates IEEE Day 2024	SBC61881B	4-Oct-24
5	Innovation Playground: Building with Bits and Bytes	STB89601	3-Oct-24
6	IEEE Day and IEEE community meet up	STB29081	2-Oct-24
7	IEEE: WHY BELONG?	R80139, CH08385	1-Oct-24
8	IEEE Volunteering: Elevating Your Professional Journey	CH08908	28-Sep-24
9	How to prepare for the Robotics Revolution as an undergraduate	SBC29081	21-Sep-24
10	AI-POWERED OBJECT DETECTION AND TRACKING IN REAL-TIME APPLICATIONS	WE80139	21-Sep-24
11	INAUGURATION OF IAS AND PES IN NNAMDI AZIKIWE UNIVERSITY	SBC61881C, SBC61881B	19-Sep-24
12	IEEE PES INNOUSE MEETING	SBC61881B	17-Sep-24
13	IEEE IAS IN - HOUSE MEETING	SBC61881C	17-Sep-24
14	Capacity Building Workshop on Automation & Robotics	SBC29081	16-Sep-24
15	Understanding IEEE Women in Engineering	SBA29081	14-Sep-24
16	THE INTERSECTION OF LEADERSHIP AND ACADEMIC EXCELLENCE	SBA61881S	31-Aug-24
17	AUGUST EXECUTIVE COMMITTEE MEETING	R80139	31-Aug-24

18	Achieving Net-Zero Emissions: Pathways for Power and Energy Transition	CH08745	31-Aug-24
19	SIGHT Virtual Expo - Global Collaboration	SIGHT204, SIGHT116, SIGHT078, SIGHT093, SIGHT043	31-Aug-24
20	Generative AI for Sustainable Education	CH08385, CH08004	31-Aug-24
21	Technical Meeting and Presentation on Spatial Modulation Techniques: Shaping the Future of Wireless Communication	CH08388, R80139	29-Aug-24
22	IEEE Members Meet and Greet Networking Cocktail with Industry	CH08907, CH08141, CH08522, CH08912, CH08922, R80147	23-Aug-24
23	IEEE Electron Devices Society (Nigeria Chapter) - EDS Tech Insight Webinar Series	CH08908	21-Aug-24
24	2024 IEEE Summer School on Sustainable Technologies	CH08922, CH08522, CH08912, CH08907, CH08141, R80147	19-Aug-24
25	Tech4Good Project Progress report Virtual meeting-IEEE FUTO SIGHT Group	SBA29081S	17-Aug-24
26	IEEE UI-SB GENERAL MEETING	STB28371	16-Aug-24
27	JULY EXECUTIVE COMMITTEE MEETING	R80139	2-Aug-24
28	DATA SCIENCE FOR CYBER SECURITY: AN OVERVIEW FOCUSED ON NETWORKING	WE80139	2-Aug-24
29	IEEE UI-SB GENERAL MEETING	STB28371	2-Aug-24
30	IEEE Exco Final Meeting for Harmattan Semester	STB29081	1-Aug-24
31	IEEE FUTO-SB Community Meetup	STB29081	27-Jul-24
32	SiCon	STB92061, STB28371	27-Jul-24

33	Mastering the Art of Writing Grant Proposal	R8013901	27-Jul-24
34	IEEE Exco Meeting	STB29081	25-Jul-24
35	Artificial Intelligence Strategies for Affordable Clean Energy Transition	CH08745	23-Jul-24
36	DevOps: Accelerating Software Delivery	STB29081	20-Jul-24
37	WHAT IS IEEE WOMEN IN ENGINEERING?	WE80139	16-Jul-24
38	Empowering the Future of Communication	STB29081	13-Jul-24
39	Engaging more women in AI & 4IR Technologies	SBA61881	11-Jul-24
40	Women's Leadership in Tech: Pioneering the Fourth Industrial Revolution	SBA28371	11-Jul-24
41	JUNE EXECUTIVE COMMITTEE MEETING	R80139	6-Jul-24
42	Embedded Systems in Industrial Applications	SBC63861H	4-Jul-24
43	WHAT IS ARTIFICIAL INTELLIGENCE AND FOURTH INDUSTRIAL REVOLUTION	SBA63861	3-Jul-24
44	WHAT IS AI AND 4IR?	SBA63861	4-Jul-24
45	CONSTRUCTIVE METHODS FOR ROBUST CONTROL OF DISTRIBUTED PARAMETER SYSTEMS	WE80139	3-Jul-24
46	2nd Technical and Administrative Meeting (TAM)	R80139	29-Jun-24
47	Energy Storage System: Power Electronics Challenge and Solution	SBC62141, STB62141	28-Jun-24
48	From Power Plants to Plugs: Navigating Electricity Generation, Transmission and Distribution.	STB29081	26-Jun-24
49	STEAM Accelerators Mentorship	CH08907	25-Jun-24
50	IEEE OAUSB WIE Week-Stem Outreach	SBA89601, STB89601	25-Jun-24

51	HAND'S ON ACTIVITIES WORKSHOP: WIE-Graphics and Training on AITools!	WE80139	25-Jun-24
52	IEEE OAUSB WIE Conference	SBA89601, STB89601	24-Jun-24
53	Thermal Management in Electronics Packaging	SBC62141A, STB62141	21-Jun-24
54	IEEE ESUT SPS MDI 2024	SBC63861G	20-Jun-24
55	ESUT PELS'DAY 2024	SBC63861A	20-Jun-24
56	TECHNICAL VISIT TO CELEBRATE PELS DAY	CH08516	20-Jun-24
57	Innovations in Communications Technology	STB29081	15-Jun-24
58	IEEE SIGHT Day	SBA29081S, STB29081	14-Jun-24
59	Tech4all Closing and Award Giving Ceremony	R8013901	14-Jun-24
60	Microgrid Technology and Applications	SBC63861	11-Jun-24
61	IEEE UI-SB EXECUTIVE COMMITTEE	STB28371	2-Jun-24
62	IEEE SIGHT DAY - FUTO SB SIGHT Group	SBA29081S	2-Jun-24
63	Chip Excellence: Quality-Based AI Approach to Technology	YP80139	1-Jun-24
64	IEEE Xtreme Study Jam Session	STB29081	1-Jun-24
65	Info/AMA Session: PES and ComSoc	STB29081	31-May-24
66	BISHOP HOWELLS MEMORIAL GRAMMAR SCHOOL PRE-UNIVERSITY STEM OUTREACH	STB92061	31-May-24
67	Energy Harvesting Technologies	SBC63861	29-May-24
68	IEEE Nigeria Section SIGHT Group: Raising Awareness for SIGHT in Student Branches	SIGHT078	29-May-24
69	Introduction to Power Electronic Converters: Types and Applications	SBC63861A	28-May-24

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70	Installation of Solar Street Lights and Charging Stations for Mobile Devices in Off-Grid Communities	SBA63861S	27-May-24
71	IEEE NIGERIA SECTION EXCO MEETING	R80139	25-May-24
72	Info Session: WIE and RAS partnership	STB29081	25-May-24
73	Engineering and Technology : Tools for Sustainable Development.	R8013901	25-May-24
74	Embarking on an Engineering Career: Pathways Challenges, and Opportunities	STB62141	24-May-24
75	Sensor Networks; State-of-the-art and Future Research Challenges Workshop	CH08922, CH08907	17-May-24
76	Introduction to Microwaves and Their Applications	SBC63861K	16-May-24
77	IEEE Southeast Subsection SAC CCNA7 COURSE	R8013901	15-May-24
78	CISCO Training/Participation Award	SBA29081S, R8013901	15-May-24
79	Shaping the Future of Electromagnetic Compatibility (EMC) in Nigeria	CH08688	14-May-24
80	Comprehensive Arduino Training for IEEE ESUT Solid State Circuits Society Student Chapter	SBC63861D	14-May-24
81	IEEE ESUT SPAA 2024	STB63861	9-May-24
82	Technical Presentation on UAV Swarm Solutions and Applications	CH08388	29-Apr-24
83	The Rise of Quantum Computing: Beyond Bits and Bytes	SBC63861E, STB63861	25-Apr-24
84	Unlocking the World of LEDs: From Light to Logic	SBC63861I, SBC63861C, SBC63861H	25-Apr-24
85	PES DAY 2024 WEBINAR	STB89601	24-Apr-24
86	Empowering Electric Mobility Innovation: Electric Vehicles (EVs) as Climate Solutions	STB29081	24-Apr-24

87	PES DAY 2024 QUIZ COMPETITION	STB89601	23-Apr-24
88	Symposium on the Design & Electrification of Auto Rick Shaws in Nigeria	SIGHT078	23-Apr-24
89	Introduction to Signals and Systems	SBC63861G	23-Apr-24
90	PES Nigeria Chapter EXCO meeting	CH08745	21-Apr-24
91	IEEE Nigeria Section SIGHT Group: Raising Awareness for SIGHT in Student Branches	SIGHT078	20-Apr-24
92	ENGINEERING YOUR FUTURE: Finding and charting your course	STB28371	20-Apr-24
93	Administrative Exco Meeting	YP80139	18-Apr-24
94	IEEE MTTS ESUT Strategizing Meeting for Sensitization and Member Recruitment	SBC63861K	18-Apr-24
95	Pixel and Pink	SBA61881	12-Apr-24
96	IEEE ComSoc Nigeria Commissioned IEEE ComSoc and IEEE HTB Funded Projects for Internet Provision to Students and Host Communities in SLU	CH08388	10-Apr-24
97	Tech for All (Bridging the Digital Gap For Physically Challenged Individuals)	SBA61881S	9-Apr-24
98	Technical and Administrative Meeting	R80139	6-Apr-24
99	MEET & GREET - YOUNG PROFESSIONALS NIGERIA CHAPTER	YP80139	5-Apr-24
100	Human centered and community based solutions	R8013901, SBA29081S	5-Apr-24
101	Careers in Computer Science or Engineering: Charting Your Path in the Tech Revolution	SBC63861E	4-Apr-24
102	Charting the Future: IEEE Electron Devices Society (EPS) Strategic Planning Meeting at IMT Enugu	SBC62141A	4-Apr-24

103	Community Motivational Poster	YP80139	1-Apr-24
104	EXCO MEETING	R80139	1-Apr-24
105	IEEE MEMBERSHIP BENEFITS AND PARTICIPATION	R8013901	30-Mar-24
106	Leveraging artificial intelligence and data analytics for sustainable business practices.	R8013901	30-Mar-24
107	Leveraging artificial intelligence and data analytics for sustainable business practices.	R8013901	30-Mar-24
108	Starting Your Tech Career	CH08385	28-Mar-24
109	EXCOS MEETING	STB92061	24-Mar-24
110	IEEE UI-SB HARDWARE TRAINING 2	STB28371	23-Mar-24
111	Building Digital Bridges: Connecting Communities, Igniting Potential	SBA63861S	21-Mar-24
112	Web Design Advances Workshop 2024	SBA29081S, R8013901	21-Mar-24
113	Solar system training for school student at Umuokanne village community secondary school	SBA29081S	18-Mar-24
114	AGILE VOLUNTEERING	WE80139	16-Mar-24
115	IEEE UI-SB HARDWARE TRAINING 1	STB28371	16-Mar-24
116	CAREER PATH AND OPPORTUNITIES FOR PRE UNIVERSITIES	WE80139	14-Mar-24
117	Commissioning ceremony of Region 8/HTB Sponsored project: Umuokanne water project	SBA29081S	11-Mar-24
118	IEEE FUTO SB SIGHT Group Project/Research Meeting	SBA29081S, R8013901	9-Mar-24
119	March Monthly Excom Meeting	R8013901	9-Mar-24
120	Understanding the motivations of volunteers	WE80139	8-Mar-24
121	Title	OU	Date

122	WOMEN IN TECH: THE FUTURE	SBA61881	8-Mar-24
123	Hybrid Event Commemorating International Women's Day	R80139	8-Mar-24
124	Mu na Technuzu : Njem nime uwa nke technuzu (Technology and I: Journey into the world of Technology)	STB61881, R8013901	8-Mar-24
125	Strategic Planning Meeting for IEEE ESUT RAS Chapter: Innovating Robotics and Automation for 2024	SBC63861B	7-Mar-24
126	MEE KA ECHICHE AHU PUTA IHE:ELECTRONIKI OKWA NTINYE	R8013901	7-Mar-24
127	IEEE Nigeria Partnership meeting with National Talent Export Programme (NATEP) of Nigeria Government.	R80139	6-Mar-24
128	ESUT PES Student Branch Chapter: Planning Meeting for 2024	SBC63861	5-Mar-24
129	HACK4FUTO	CH08385	2-Mar-24
130	FUTO SB SIGHT GROUP MEETING AND WORKSHOP - FEBRUARY CONTACT	SBA29081S, R8013901	29-Feb-24
131	STEM Motivational Talk	YP80139	24-Feb-24
132	WEBINAR ON RENEWABLE ENERGY HARVESTING FOR POWER SUSTAINABILITY	CH08745	24-Feb-24
133	Student Branch Chapter: Planning Meeting for 2024	SBC63861A	22-Feb-24
134	Building Sisterhood in STEM: Creating a support network for Women in Engineering	WE8013901	22-Feb-24
135	Curating a personal brand as a student	STB28371	16-Feb-24
136	The Quantum Leap: Unveiling the Future of Electronics	SBC63861I, STB63861	15-Feb-24

137	Resilient Agriculture and Food Systems: Circular economy approaches in the food and agriculture sector.	R8013901	10-Feb-24
138	Power Electronics Nigeria Section Chapter Quarterly Meeting	CH08516	10-Feb-24
139	Federal University of Technology Owerri SB SIGHT Group Inauguration and maiden workshop on Leveraging Technology for a Better Tomorrow	SBA29081S, R8013901	8-Feb-24
140	Future-Proof Your Career: Skills and Strategies for the Evolving Education Land-scape	SBC63861I	8-Feb-24
141	IEEE ESUT SSCS Student Branch Chapter: Planning Meeting for 2024	SBC63861D	6-Feb-24
142	Building an AI-Proof Tech Foundation	STB29081	4-Feb-24
143	IEEE UNN Student Branch: Reflecting on 2023 and Shaping the Future for 2024	STB06141	2-Feb-24
144	IEEE UISB GM4 - UISB 2024 Roadmap	SBA28371	2-Feb-24
145	IEEE Communications Society: Membership Development Program	CH08388	30-Jan-24
146	Technical Meeting and Presentation on Leadership Reflections: Meeting the Rising Expectations of 21st Century Jobs and Works	CH08388	30-Jan-24
147	IEEE YP Nigeria Meeting	YP80139	30-Jan-24
148	COURTESY VISIT TO NIGCOMSAT MD	R80139	30-Jan-24
149	IEEE ComSoc Organised Digital Marketing Skills training for 100 Students in Sule Lamido University Kafin Hausa.	CH08388	30-Jan-24
150		CH08388 - Nigeria Section Chapter,COM19	

151	GIRLS IN STEM	CH08899, SBC61881A	26-Jan-24
152	IEEE NIGERIA SECTION EMERGENCY EXCO MEETING	R80139	24-Jan-24
153	Demystifying Electron Devices: From Transistors to Lasers	SBC63861I	24-Jan-24
154	MAIDEN EXECUTIVE COMMITTEE MEETING	R80139	20-Jan-24
155	IEEE UNILAG EXECUTIVE WORKSHOP: CHARTING THE FUTURE	STB92061	13-Jan-24
156	Technical Training of Ezza Ojianya Youth on Solar Lightening installation and Maintenance	SBA61881S, R8013901, STB61881	8-Jan-24