



IEEE KENYA SECTION

Kithinji Muriungi, Chair

muriungi254@ieee.org

The 124th IEEE R8 Committee Meeting

Budapest, Hungary, 5-6 April 2025

1

ieee.org



IEEE Kenya Section: ExCom Officials - 2024-25



Kithinji Muriungi
Chair



Esther Muchiri
Past Chair



Stephen Okwiri
Secretary



Dr. Girmaw Tadesse
Past Secretary



Lavender Ndunya
Past Treasurer



Dr. Cosmas Kiruki
Treasurer



VACANT
Chair-Elect



VACANT
Secretary-Elect



VACANT
Treasurer-Elect



Nominations & Elections Currently Ongoing

Some of the New Volunteers



Richard Otieno
Student Activities
Chair



Ian Chege
Student Rep



Nelly Kosgei
Vice-Chair, WIE



Valery Chebet
Publicity Lead



Ivy Macharia
Social Media
Admin



Section Activities Admin
(VTools & Collaboratec)



Benson Ojwang
Standards
Coordinator



Daniel Kitui
Standards
Coordinator



VACANT
Chapters
Coordinator



Dr. Mary Ahuna
Professional &
Educational Coordinator



Dr. Girmaw Tadesse
Professional &
Educational Coordinator



Humphrey Muhindi
Conferences
Coordinator
& History Coordinator

IEEE Kenya Section Goals

1. **Sustain:** Everything that's working well through adoption of best practices!
2. **Scale:** Successful best practices from OUs
3. **Innovate:**
 - a. Attracting & Retaining All Member Grades
 - b. Supporting Industries and Industry Partners



IEEE Kenya Section Communication Flow

❖ Section ExCom:

- Chair, Treasurer, Secretary
- Past Chair, Past Treasurer, Past Secretary
- Vice-Chair (Chair-Elect), Vice-Treasurer (Treasurer-Elect), Vice-Secretary (Secretary-Elect)
 - Finance Committee (Works Directly with Treasurer, Vice-Treasurer & Vice-Chair)
 - Section Admin & Tools Coordinator (Works directly with Secretary, Vice-Secretary & Vice-Chair)

❖ Steering Committee:

- Section Coordinators: Chapters, Standards, Membership, Professional Activities, Industry, Educational Activities,
- All OU Chairs
- SIGHT
 - HTB Projects
 - HTB Initiatives: EPICS
- YP
 - Direct Collaborations with SAC
- WIE
 - Professional WIE Engagements
 - Coordinate SBs WIE

❖ Student Activities Committee (SAC):

- Student Rep + Student Activities Chair + Committee
- Student Branches
 - Student Technical Chapters
 - Student Affinity Groups (WIE & SIGHT)

Section is restructuring to accommodate growth and development while ensuring efficiency is maintained!

Some Major Events, Project, & Initiatives

HTB SIGHT/Tech4Good/Society Projects:

- Ngamwa Solar Project - **Sheila Otuko- Complete**
- Obaro Clean Water Project - **Sophia Musa- InProgress**
- Angaza Tumaini Solar Project - **Allan Koech - Complete**
- Wind Project with MUT - **Watila - Pending**
- ComSoc Connecting the Unconnected in Kakuma - **Humphrey, Mercylyne, Dr. Ronoh - Complete**
- K-12 Initiative by SPS - **Stephen Okwiri / Suzzanne Amanda - Complete**
- Regi Tech4Good Project - **Complete**
- EPICS DeKUT Project - **InProgress**
- Mumui Water Tech4Good Project- **InProgress**
- Onjiko EcoWater Project - **InProgress**

Events & Activities:

- Annual General Meeting 2025 (& Kenya VoLT Graduation)
- Combined DLP
- End of the Year Dinner & Awards 2024
- IEEE President's Visit in Kenya
- IEEE Startup Summit 2024
- EBK EPC 2024
- Student Mentorship (KU & DeKUT)
- CASS Student Design Competition
- IEEE TUK Symposium & Joint DL
- Volunteer Leadership Training
- Section ExCom Campus Tour

Section Student Volunteers Leadership

- ▶ Student Activities Chair: Richard Otieno
- ▶ Student Representative: Ian Chege
- ▶ IEEE SAC Kenya Team: Richard Otieno; Ian Chege; Jenipher Ogara; Jully Kyambi; Jackson Mugwe; & Brian Okari

Active Student Branches (SBs):

1. Technical University of Kenya (TUK) - Japheth Okello
2. Multimedia University of Kenya (MMU) - Jully Kyambi
3. Moi University (MU) - Newton Mark Lijoodi
4. Kenyatta University (KU) - Valery Chebet
5. Strathmore University - Joy Muntet
6. University of Nairobi (UoN) - Sherry Were
7. Masinde Muliro University of Science and Tech' (MMUST) -
8. Jomo Kenyatta University of Agriculture and Tech' (JKUAT) - Erick Gitonga
9. Dedan Kimathi University of Technology (DeKUT) - Irene Korir

New SBs

10. Muranga University of Technology (MUT) - Jacinta Wangari Njeri
11. South Eastern Kenya University (SEKU) - Morgan Waweru
12. United States international University - Africa (USIU-A) - Caroline Kausi
13. Meru University of Science & Technology (MUST) - James Kaira

In Petition SBs

14. Technical University of Mombasa (TUM)
15. University of Eldoret (UoE)
16. Machakos University
17. Chuka University
18. Co-operative University of Kenya



Section Affinity Groups Volunteers Leadership

1. IEEE Women in Engineering (WIE): Dr. Njeri Ngaruiya, PhD, Chair
2. IEEE Young Professionals (YP): Jenipher Ogara, Chair
3. IEEE SIGHT: Dennis Kemboi, Chair



Dr. Njeri Ngaruiya
Chair, WIE Kenya



Jenipher Ogara
Chair, YP Kenya



Dennis Kemboi
Chair, SIGHT Kenya



IEEE YOUNG PROFESSIONALS

2024-2025 UPDATES



Meet the Team

Jenipher Ogara - Chair

Brian Masoso – Vice Chair

Wagatune Mwaure –Secretary/Treasurer

Chris Murimi – Publicity Lead

Reu Kemboi - Industry Liason

Kipchoge Kipchumba – Industry Liason

Daniel Obare - Industry Liason

Gerald Njakai – Membership Development

Elyas Smaida – University Relations



WIE 2024-2025 Activities

STEM Transition Workgroup



Multilingual Talk



IEEE
Region 10
Women in Engineering

IEEE WIE MULTILINGUAL WEBINAR SERIES

PANEL DISCUSSION

MODERATOR



NJERI NGARUIYA NG'ANG'A
FACULTY LEADERSHIP AND
CAREER DEVELOPMENT
STRAITHMORE UNIVERSITY, KENYA

PANELISTS



DR. KHAKATA ESTHER
DIRECTOR, RESEARCH AND
POSTGRADUATE STUDIES
STRAITHMORE UNIVERSITY, KENYA



TALÓ MARTINI HARRISON
EMPLOYEE SECURITY SPECIALIST
PARTICIPATION OFFICER (KENYA)
STRAITHMORE UNIVERSITY, KENYA



MUNGAJ JOSEPH
RESEARCH FELLOW
BUSINESS DEVELOPMENT EXECUTIVE
STRAITHMORE UNIVERSITY, KENYA

SCAN QR TO JOIN



16th November 2024 | 10:00 AM - 11:00 AM (EAT)

Language: Kiswahili and English

Join webinar: <https://bit.ly/WIEMultilingualWebinarSeries>



Career Webinar

WEBINAR

CAREER ADVANCEMENT
AS WOMEN IN STEM



Dr. Njeri Ngaruiya
Lecturer, Strathmore University



Dr. Wanjiru Mburu
Researcher, Qhala

TUESDAY
05-11-2024
7:00pm




Section Technical Chapters Volunteers Leadership

1. Computer Society - Alex Watila
2. Power & Energy Society (PES) - Chaltu Marta
3. Communications Society (ComSoc) - Humphrey Muhindi
4. Photonics Society (IPS) - Mercylyne Tuwei
5. Circuits & Systems Society (CASS) - Allan Koech
6. Signal Processing Society (SPS) - Stephen Okwiri
7. Electron Devices Society (EDS) - Stephen Okwiri
8. Industrial Electronics Society (IES) - Vincent Egessa
9. Microwave Theory & Technology Society (MTT-S) - Dennis Kemboi

NEW CHAPTERS:

10. NANO - Joan Korir
11. AP/CIS/VT Joint - Maurine Chepkemoi
12. AES/RA/CEDA Joint - Joshua Simba
13. SEN/SYSC Joint - Evelyne Wambui
14. Industrial Application Society (IAS) - Marta Chaltu

Some of the Major Activities Since Last Report

Annual General Meeting : @Strathmore University

15th March 2025



Annual general MEETING 2025

At SPS Kenya, our mission is to inspire and empower the next generation of engineers, technologists, and innovators through exposure to emerging technologies, industry insights, and sustainable development practices. We aim to provide practical exposure to the latest innovations, foster collaboration between industry and academia, equip young innovators with skills for the digital economy, and promote sustainable technological solutions for societal development.

Amenda Dissanayake
SPS Kenya



Saturday 15th March FROM 9:00 AM

Strathmore University Main Auditorium

Reports | VOLT Graduation | Networking

@ieeekenya



Annual general MEETING 2025

At SPS Kenya, our mission is to inspire and empower the next generation of engineers, technologists, and innovators through exposure to emerging technologies, industry insights, and sustainable development practices. We aim to provide practical exposure to the latest innovations, foster collaboration between industry and academia, equip young innovators with skills for the digital economy, and promote sustainable technological solutions for societal development.

Amenda Dissanayake
SPS Kenya

Saturday 15th March FROM 9:00 AM

Strathmore University Main Auditorium

Reports | VOLT Graduation | Networking

@ieeekenya



Annual general MEETING 2025

At SPS Kenya, our mission is to inspire and empower the next generation of engineers, technologists, and innovators through exposure to emerging technologies, industry insights, and sustainable development practices. We aim to provide practical exposure to the latest innovations, foster collaboration between industry and academia, equip young innovators with skills for the digital economy, and promote sustainable technological solutions for societal development.

Amenda Dissanayake
SPS Kenya

Saturday 15th March FROM 9:00 AM

Strathmore University Main Auditorium

Reports | VOLT Graduation | Networking

@ieeekenya



End of the Year Dinner 2024

14th Dec 2024



FRIENDS OF IEEE KENYA SECTION (Institutional) AWARDS



Outstanding Leadership Award



Women in Engineering Achievement Award



KENET



EBK



Young Professional Achievement Award



Student Member Achievement Award



Outstanding Volunteer Achievement Award



Student Member Achievement Award



Outstanding Student Branch Councilor / Institution Educator Achievement Award



IEEE Kenya Section ExCom



IEEE President's Visit to Kenya: Tom Coughlin

14th - 15th October 2024



IEEE President's Visit to Kenya

- ✓ Make IEEE Your Professional home
- ✓ Amplifying IEEE's Reach
- ✓ Industry Collaboration
- ✓ IEEE Contribution to Research and Innovation



Tom Coughlin
2024 IEEE President & CEO



14/15
October 2024



MoU with Oracle 2024



Oracle Academy

Follow:

Drive Knowledge, Europe, Middle East, Africa, Innovation, Skills Development

Empowering tomorrow's engineers: Oracle Academy introduces Primavera P6 to young engineers, earns an IEEE Kenya honor

December 15, 2023 | 4 minute read



Jane Richardson
Senior Regional Director, Oracle Academy, EMEA



The Institute of Electrical and Electronics Engineers (IEEE), recognized as the professional home for the engineering and technology community worldwide, stands at the forefront of bringing together engineers, scientists, and technologists to advance technology for the betterment of humanity. In this spirit of innovation and collaboration, Oracle Academy has played a pivotal role in supporting IEEE Kenya's mission by actively participating in key events and programs, fostering knowledge exchange and technological advancement.

Oracle Academy

Follow:

Europe, Middle East, Africa, Skills Development

IEEE Kenya summer camp showcases cutting-edge Oracle technologies

September 30, 2024 | 3 minute read



Danny Gooris
Regional Director, Oracle Academy, EMEA



The Oracle Kenya office was pleased to welcome the IEEE Kenya summer camp student congress consisting of 44 students majoring in computer science and engineering from 12 universities on August 22, 2024. The students enjoyed an exciting day of learning and networking, packed with presentations and hands-on sessions that introduced them to various skills development tools and technologies from Oracle, a global leader in cloud solutions and enterprise software.

Exposition & Sponsorship: EBK - EPC 2024

May 2024



Exposition & Sponsorship at EBK - EPC 2024

May 2024



ENGINEERING PARTNERSHIPS CONVENTION | 2024

JPC 2024
20 PDUc

THE 5TH ENGINEERING PARTNERSHIPS CONVENTION

Engineering@60: Reflections, Response, Resetting



Eng. Mustafa B. Shehu, FMSE
President, EPC/7 Association of Engineering Engineers

Engineers must adapt to the changes brought about by globalisation.

254-20-2719974 | info@ebk.go.ke | www.ebk.go.ke



ENGINEERING PARTNERSHIPS CONVENTION | 2024

Hosted By



THE 5TH ENGINEERING PARTNERSHIPS CONVENTION

Engineering@60: Reflections, Response, Resetting

Innovation Fair

Engineering the Future: Sustainable Innovations for a Connected World

7th - 10th May 2024

Denan Kimathi University of Technology, Nyeri County



Charges



Virtual
Ksh. 10,000



Physical
Ksh. 50,000

CLICK HERE TO REGISTER

20PDUc

+254-20-2719974 | info@ebk.go.ke | www.ebk.go.ke



Ministry of Roads and Transport

Kenya VISION 2030



IEEE Kenya ExCom Campus Tour & Meetups

*** 2024



@Murang'a University SB



@YP Fireside Chat & Meetup



@Kenyatta University SB



@Machakos University SB



@USIU SB

Global Exposition - Kenya Volunteers

*** 2024



Counselors Training @Italy

Congratulations!



Joseph Okello
Vice Chair IEEE PES TUK



Joshua Muna
Vice Chair IEEE PES DEKUT

**IEEE KENYA SECTION STUDENTS WILL BE ATTENDING
IEEE PES R8 STUDENT CHAPTER LEADS MEET 2024**
In conjunction with IEEE PES ISGT at Dubrovnik in Croatia
October 14th-17th, 2024.



South Africa during PAC 2024



Egypt during SAC Meeting



Tunisia during YESIST12 2024

Logos: YESIST2, TECH-X, IEXPLORER, IEEE, IEEE Student

IEEE YESIST12 2024

MAKER FAIR WINNER

Cash Prize 1000 USD

SNIFFER

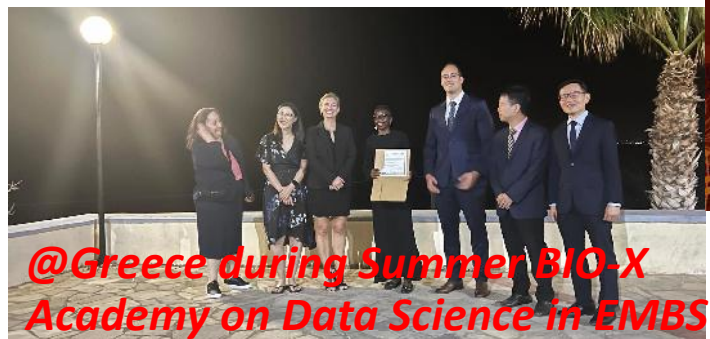
KENYATTA UNIVERSITY, KENYA

IRENE KORIR | TAN CHEGE | RYAN KIPROTICH

Logos: IEEE PES, IEEE PES ISGT, IEEE PES R8, IEEE PES R9, IEEE PES R10, IEEE PES R11, IEEE PES R12, IEEE PES R13, IEEE PES R14, IEEE PES R15, IEEE PES R16, IEEE PES R17, IEEE PES R18, IEEE PES R19, IEEE PES R20, IEEE PES R21, IEEE PES R22, IEEE PES R23, IEEE PES R24, IEEE PES R25, IEEE PES R26, IEEE PES R27, IEEE PES R28, IEEE PES R29, IEEE PES R30, IEEE PES R31, IEEE PES R32, IEEE PES R33, IEEE PES R34, IEEE PES R35, IEEE PES R36, IEEE PES R37, IEEE PES R38, IEEE PES R39, IEEE PES R40, IEEE PES R41, IEEE PES R42, IEEE PES R43, IEEE PES R44, IEEE PES R45, IEEE PES R46, IEEE PES R47, IEEE PES R48, IEEE PES R49, IEEE PES R50, IEEE PES R51, IEEE PES R52, IEEE PES R53, IEEE PES R54, IEEE PES R55, IEEE PES R56, IEEE PES R57, IEEE PES R58, IEEE PES R59, IEEE PES R60, IEEE PES R61, IEEE PES R62, IEEE PES R63, IEEE PES R64, IEEE PES R65, IEEE PES R66, IEEE PES R67, IEEE PES R68, IEEE PES R69, IEEE PES R70, IEEE PES R71, IEEE PES R72, IEEE PES R73, IEEE PES R74, IEEE PES R75, IEEE PES R76, IEEE PES R77, IEEE PES R78, IEEE PES R79, IEEE PES R80, IEEE PES R81, IEEE PES R82, IEEE PES R83, IEEE PES R84, IEEE PES R85, IEEE PES R86, IEEE PES R87, IEEE PES R88, IEEE PES R89, IEEE PES R90, IEEE PES R91, IEEE PES R92, IEEE PES R93, IEEE PES R94, IEEE PES R95, IEEE PES R96, IEEE PES R97, IEEE PES R98, IEEE PES R99, IEEE PES R100

Global Exposition - Kenya Volunteers

*** 2024



RECENT PROJECT: Connecting the Unconnected Project

2023-2024



IEEE ComSoc Kenya Chapter and IEEE SIGHT Kenya Section, in collaboration with Action pour le progrès of Kakuma and Global Innovation Valley of Kalobeyei. Implementation of a community network in Kakuma and Kalobeyei refugee camps in Turkana County, Kenya.



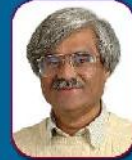
Industry: Kenya Space Agency & ORACLE



@Kenya Space Agency



@ORACLE



Prof. Mohan Trivedi
University of California
IEEE PDS



Prof. Reyhan Bakur
Uludağ University
IEEE APS



Prof. Warren De Plakis
University of Florida
IEEE AESS



Prof. Sang Bin Lee
Korea University
IEEE IAS



Prof. Ahmed H. Madian
The University of
IEEE CASS

12 JOINT DLP

MARCH

KENYATTA UNIVERSITY
8:30 AM - 5PM
12TH MARCH 2025

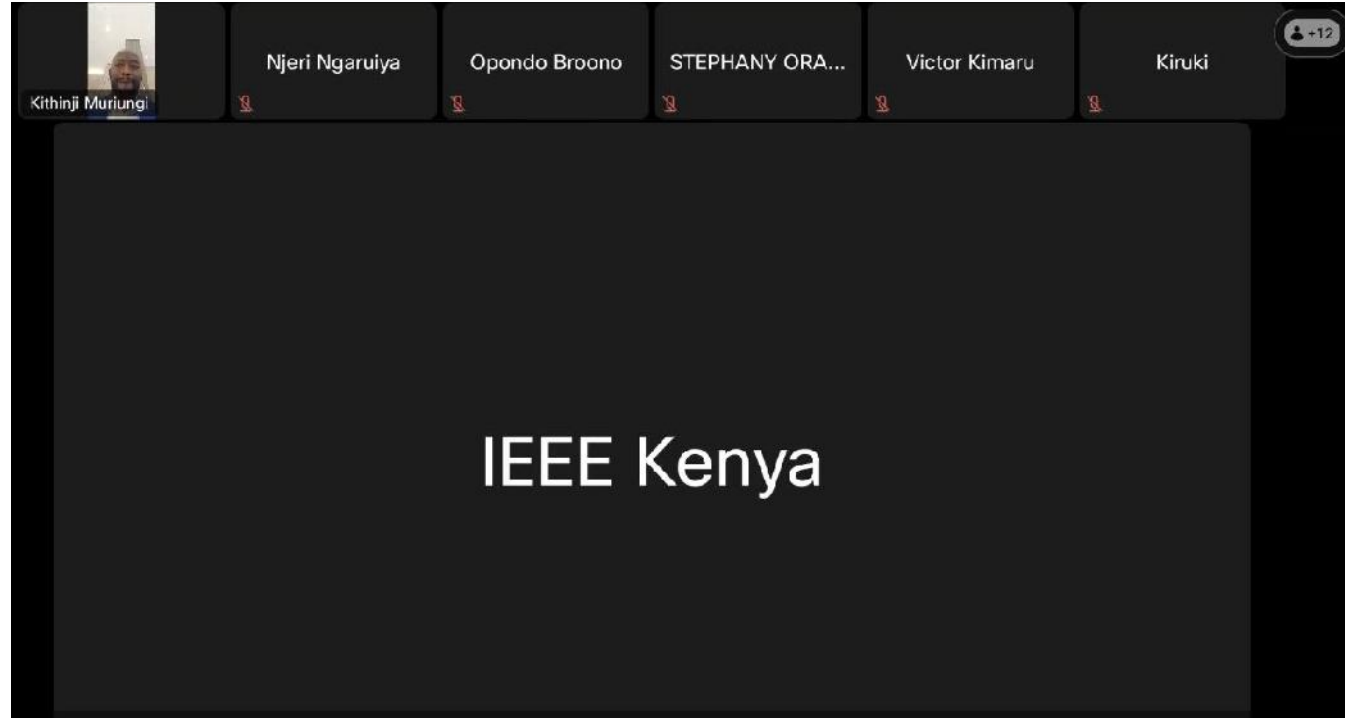


Section Steering Committee Meeting: Chairs & Vice-Chairs

Thur: 6th March 2025

- ◆ Alignment
- ◆ Point of Convergence
- ◆ Solution-Oriented Approach

- ◆ Teamwork & Collaboration

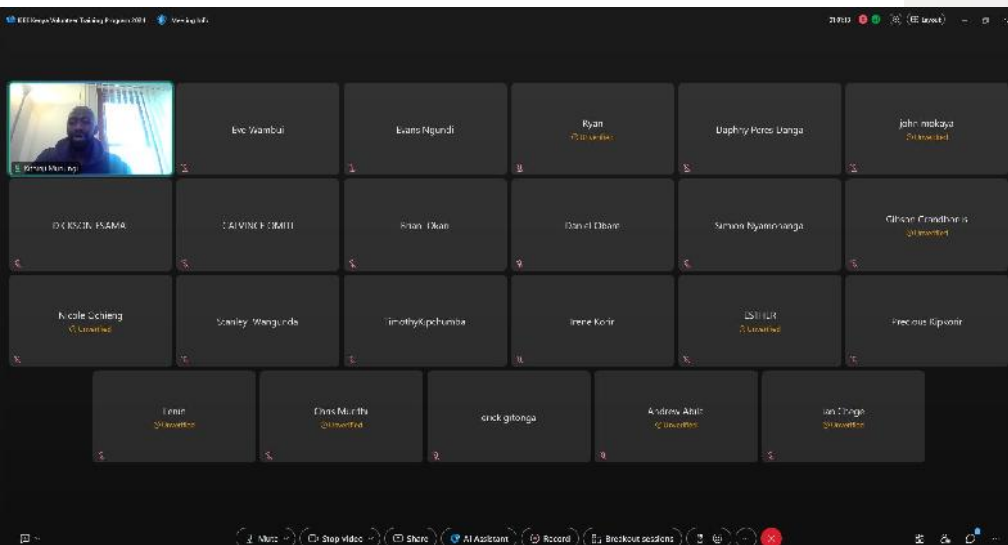


IEEE Kenya Volunteer & Leadership Training Program: 8 Months

August 2024 - March 2025

64 Kenya Volunteers

32 Successful GRADUATED



Program Leads & Architects:
Esther Muchiri & Humphrey Muhindi (Volt 14)
Program Host & Facilitator:
Stephen Okwiri (Volt 23) & Kithinji Muriungi (Volt 19)



IEEE Kenya Volunteer & Leadership Training

Major Highlights

- ❖ 25+ Sessions
- ❖ 8 Months Program
- ❖ 64 Registered Participants
- ❖ 32 Successful Program Completion
- ❖ Focused on IEEE, Personal & Professional Development, Financial Literacy, & more
- ❖ Major transformations throughout the program: Authorship, Businesses, etc
- ❖ *Next Cohort... TBD*



Karura Hike: IEEE Kenya Vol 1
January 11, 2025 11:05 AM



Karura Hike: IEEE Kenya Vol 1
January 11, 2025 11:05 AM

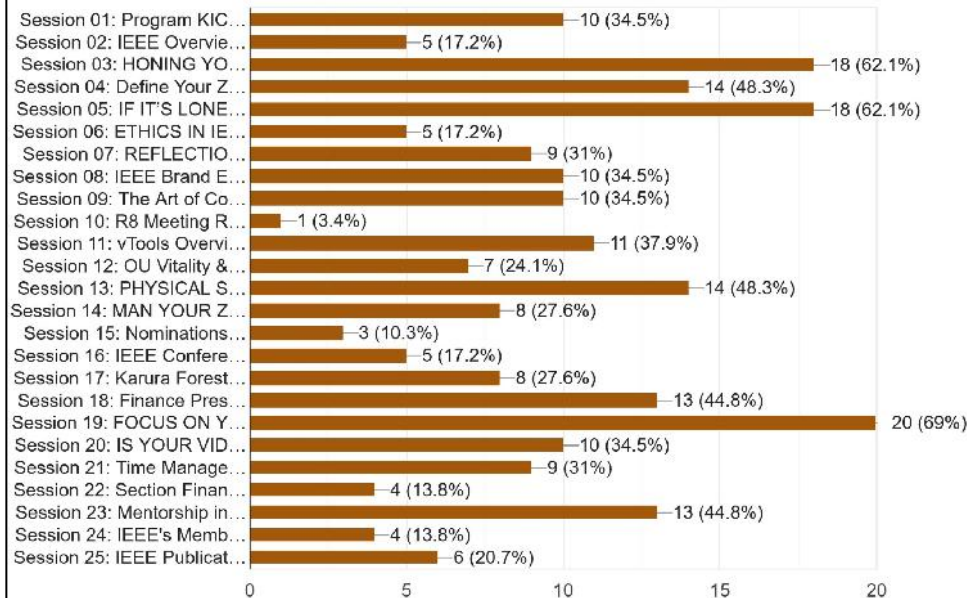


IEEE Kenya VoLT Training

- ★ *“Being able to actively acquire membership and onboard others shows the impact of the communication and leadership training.” - Participant*
- ★ *“Organizing CUK events, communicating more on what IEEE is and encouraging participation has improved since the VoLT training.” - Participant*
- ★ *“I have always known Ms. Dee to be a go-getter, but through the program, her initiative and drive became even more visible.” - Participant*

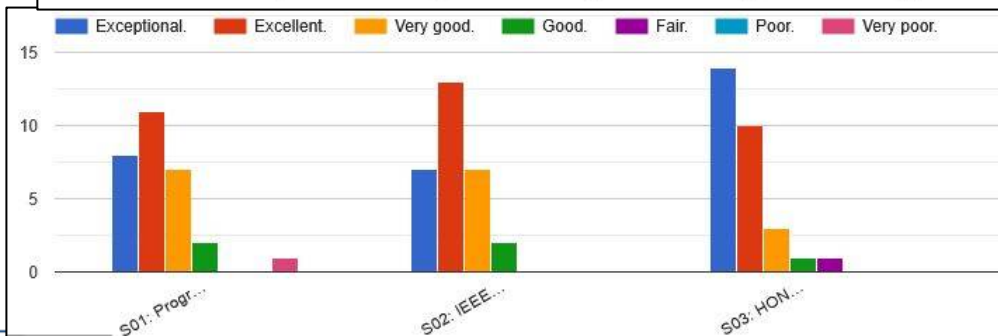
Select the sessions you found most impactful or memorable.

29 responses



On Leadership Journey:

- ★ *“The Physical Session at The Oak Place Hotel was transformational - it elevated my understanding of team dynamics and self-leadership.” - Participant*



GRADUATION CEREMONY: IEEE Kenya VoLT Training



Major Planned Activities

HTB Workshop



SPECIAL INTEREST GROUP ON
HUMANITARIAN TECHNOLOGY

SIGHT Kenya Section

HUMANITARIAN TECHNOLOGIES WORKSHOP

11th - 12th April

IEEE SIGHT Kenya



IEEE HUMANITARIAN TECHNOLOGIES WORKSHOP 2025

Pre-Workshop Webinar:
R8 Humanitarian Technology Activities Committee
Workshop



Register

Monday,
17th March 2025

6:45 - 8:00PM(EAT)

Google Meet



Samarth Deo
Chair, R8 HTAC



2025 IEEE Tech4Good Call for Proposals

Apply by 23 March
hit lv/ieeeT4G



Call for Service Learning Projects

Design, build, and deploy sustainable solutions to solve local community challenges.



<https://epics.ieee.org/ias-call-for-proposals>



IEEE International Microwave & Antennas Symposium (IMAS) 2025

20th – 23rd October 2025

Nairobi, Kenya



THEME:

**From Savannah to Skyline:
Microwave & Antenna Technologies
for Africa's Growth**

Join us at the IMAS 2025, a premium symposium bringing together global experts in microwave engineering, antennas, and wireless technologies to discuss cutting-edge research, innovative applications, and emerging trends.

Beyond the conference, experience the city's vibrant culture, dynamic business environment, and breathtaking natural beauty. With a diverse culinary scene, lively markets, and world-class hospitality, Nairobi promises an unforgettable experience for every visitor.

ORGANIZING COMMITTEE

ADVISORY COMMITTEE

- Samir El-Ghazaly – University of Arkansas, USA
- Yahya Antar – Royal Military College, Canada
- Maurizio Bozzi – University of Pavia, Italy
- Nuno Borges Carvalho – University of Aveiro, Portugal
- Mohamed Essaidi – ENST, Morocco
- Ayman Eltoger – Royal Military College, Egypt
- Humphrey Muhindi – SEACOM, Kenya
- Kithinji Muriungi – Purdue University, USA

GENERAL CHAIRS

- Mary Ahuna – Technical University of Kenya, Kenya
- Dennis Cherogony – Startnet Tech, Kenya

TECHNICAL PROGRAM & PUBLICATION CHAIRS

- Benson Ojwang (Chair) – South Eastern Kenya University, Kenya
- Olga Boric-Lubecke (MTT-S Co-Chair) – University of Hawaii, Hawaii, USA
- Afif Shamim (AP-S Co-Chair) – KAUST, Saudi Arabia
- Gwira Omendi (Publication) – University of Nairobi, Kenya

INDUSTRY CHAIRS

- Charles Onyango – Safaricom, Kenya
- Debabani Choudhury – SeraTech, USA

CALL FOR PAPERS

TOPIC AREAS

- ✓ Antenna Systems and Electromagnetic Techniques
- ✓ RF and microwave technologies for wireless, IoT and emerging technologies
- ✓ Advancements in Wireless Propagation and Channel Modeling
- ✓ Measurement Techniques for Radar, Antennas, and EM/EMC Applications
- ✓ Microwave and Antenna Technology Biomedical Applications and Health Effects
- ✓ Photonics and Optical Systems

IMPORTANT DATES

- Paper Submission Deadline | 31 May 2025
- Notification of Acceptance | 30 June 2025
- Camera Ready Submissions | 31 July 2025
- Early Bird Registration Deadline | 31 August 2025
- Conference Dates | 20 – 23 October 2025

FOR MORE INFORMATION

Visit the conference website for a detailed list of topics and paper submission process.

<https://www.imas-ieee.org/>

tpc@imas-ieee.org



IEEE Entrepreneurship Summit Africa 2025

THEME:

Fostering Entrepreneurial Innovation in Technology

22nd – 23rd
May 2025

 Kigali, Rwanda

Registration Opens Soon!

africaieeentsummit.com
VISIT OUR WEBSITE 



CC: kenya-excom@ieee.org

