

IEEE KENYA SECTION

Kithinji Muriungi, Chair

[\(muriunqi254@ieee.org\)](mailto:muriunqi254@ieee.org)

The 123rd IEEE Region 8 Committee Meeting

<http://october-2024.ieeer8.org/>

Bordeaux, France, 19–20 October 2024

region 8
IEEE 8



*Advancing Technology
for Humanity*

IEEE Kenya Section: ExCom Officials

2024/25

- ▶ **Chair** - Kithinji Muriungi
- ▶ **Past-Chair** - Esther Muchiri
- ▶ **Vice-Chair** - ****VACANT****
- ▶ **Secretary** - Stephen Okwiri
- ▶ **Past-Secretary** - Girmaw Abebe
- ▶ **Vice-Secretary** - ****VACANT****
- ▶ **Treasurer** - Cosmas Kiruki
- ▶ **Past-Treasurer** - Lavender Ndunya
- ▶ **Vice-Treasurer** - ****VACANT****



Our 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



Some Major Events, Project,

HTB SIGHT/Tech4Good/Society Projects:

- Ngamwa Solar Project - **Sheila Otuko- Final Stages**
- 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 - InProgress**
- Regi Tech4Good Project
- EPICS DeKUT Project
- Mumui Water Tech4Good Project

Events & Activities:

- IEEE President's Visit in Kenya
- Startup Summit
- EBK EPC 2024
- IEEE Tech Ignite Summer Camp 2024 (19-24 Aug 2024)
- EA Entrepreneurship Summit & YP Networking - (22-25 April)
- Mentorship (KU & DeKUT)
- CASS Student Design Competition
- IEEE TUK Symposium & Joint DL
- KU Innovation Showcase day
- **IEEE R8 SYP**
- Volunteer Leadership Training
- Section ExCom Campus Tour



Section Activities

UPDATES

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



IEEE President's Visit to Kenya: Tom Coughlin

14th - 15th October 2024



IEEE Senior Members Breakfast Meeting

 Vila Rosa
Kempinski

 15th
October 2024



Tom Coughlin
2024 IEEE President & CEO



Roundtable Meeting with Engineering Deans

 Strathmore University

 14th
October 2024

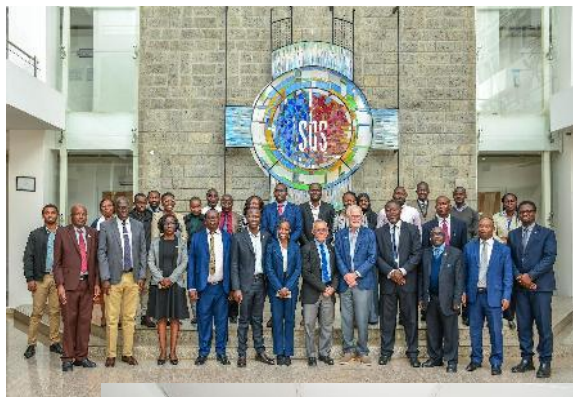


Tom Coughlin
2024 IEEE President & CEO



IEEE President's Visit to Kenya: Tom Coughlin

14th - 15th October 2024



IEEE Entrepreneurship Workshop

April 2024



EA IEEE ENTREPRENEURSHIP SUMMIT 2024

THEME: Fostering Entrepreneurial Innovation In Technology

25th April 2024

Strathmore University
Nairobi, Kenya

Early Bird Registration
Now Open!



bit.ly/EarlyBird-EASummit

EA IEEE ENTREPRENEURSHIP SUMMIT 2024 | **IEEE youngprofessionals Kenya Section** | **IEEE Kenya Section**

YOUNG PROFESSIONALS NETWORKING SESSION

Join us for an evening of connection and collaboration at the IEEE Young Professionals Networking Dinner. Build your network, share ideas, and spark new opportunities with fellow young professionals in your field.

Stay Tuned! | **25 APRIL 2024**

EA IEEE ENTREPRENEURSHIP SUMMIT 2024 | **IEEE Kenya Section**

BUSINESS IDEA PITCH COMPETITION

UNLEASH YOUR ENTREPRENEURIAL SPIRIT AND SHOWCASE YOUR GROUND-BREAKING TECH IDEAS FOR A BRIGHTER TOMORROW.

THEMATIC AREAS

- AGRI-TECH
- EDU-TECH
- HEALTH-TECH
- FIN-TECH
- ENVIRONMENTAL
- AI

APPLY HERE | bit.ly/EarlyBird-EASummit | **25th APR 2024** | **STRATHMORE UNIVERSITY NAIROBI, KENYA**

Winners will join in IEEE RB Entrepreneurship and VESST platforms globally. Students and Professionals are encouraged to apply.



THEME: Fostering Entrepreneurial Innovation In Technology

SPEAKERS



Eng. Isaac Adeyemi
Chair, IEEE Africa Council



Ken Stauffer
Immediate Past Chair
IEEE Entrepreneurship
Serial Entrepreneur



Kithinji Muriungi
Chairperson
IEEE Kenya Section



Robert Kiarie
SME Trustee Advisor
Fresh Embassy



Brian Mwangi
Business Development
Co-Founder, Two Rivers
Inf. Ecosystem & Innovation Centre



Prof. Isaac De Silva
DVC Research & Innovation
Strathmore University



Michael Mbatia
Governance Manager
Fresh Tech Hub



Magatha Innocent
CEO Starline



Prof. Vikas Monegharan
IEEE Standards Association
Board of Governors



Vinko Lesić
IEEE RB Vice-chair
Member Activities



Eng. Abdulateef Aliyu
Vice-chair, IEEE RB SAC



Sandeeep Main
Tax Partner and Head of Private Enterprise
KPMG East Africa



Prof. Surya Raghu
IEEE Entrepreneurship Workshop



Julian
Award Winning Artist
Founder - Nairobi Startup Week



Dr. Mayur Kumar Chhipa
Head of O&E & Engineering Program,
ISDAI University, Uganda



Flavia Mbuvi
Project Coordinator
Fresh EA



Brandon Opondo
FiaTech - Fresh Embassy



IEEE Entrepreneurship Workshop

April 2024



Exposition & Sponsorship: EBK - EPC 2024

May 2024



Exposition & Sponsorship at EBK - EPC 2024

May 2024



ENGINEERING PARTNERSHIPS CONVENTION | 2024

JPC 2024
20 PDUs

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

20PDUs

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



Ministry of Roads and Transport

Kenya VISION 2030



IEEE Kenya ExCom Campus Tour

*** 2024



Global Exposition - Kenya Volunteers

*** 2024



Italy during Counselors Training

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



IEEE YESIST12 2024



IRENE KORIR | TAN CHEGE | RYAN KIPROTICH



Global Exposition - Kenya Volunteers

*** 2024



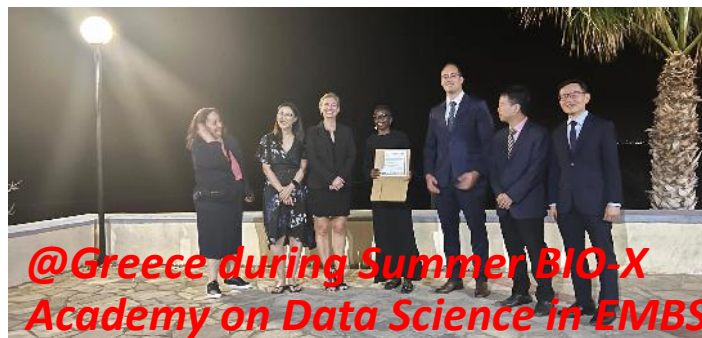
@India during IES SYP Congress



@Singapore during IEEE R8 SYP Congress 2024



@Grenoble during IEEE R8 SYP Congress 2024



@Greece during Summer BIO-X Academy on Data Science in EMBS

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.

Launched in October 2023, this initiative aimed to empower refugee communities by providing them with critical access to information and communication technologies (ICT).



Students UPDATES

Section Student Volunteers Leadership

- ▶ Student Activities Chair: Allan Kimeli
- ▶ Student Representative: Valery Chebet
- ▶ IEEE SAC Kenya Team: Valery Chebet; Jenipher Ogara; Richard Otieno; & 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

In Petition SBs

13. Technical University of Mombasa (TUM)
14. University of Eldoret (UoE)
15. Machakos University



Internet of Things workshop series: Session 1

Introduction to IoT and Embedded Systems

Discover the basics of IoT technology and how embedded system power smart devices. Whether you're new or experienced, this is great chance to explore the future of connected technology!



Broono Opondo
Robotics and IoT developer



Samuel Kiragu
Robotics and IoT developer

📅 27th Sept 2024 🕒 3:00 - 5:00 PM 📍 Microprocessor Lab

Register now at

: <https://events.vtools.ieee.org/m/435571>



Internet of Things workshop series: Session 2

Sensors and actuators

Dive deeper into the world of IoT systems as we focus on how sensors gather real time data and actuators perform actions based on the data provided.

Be sure to carry your own developer boards and kits to make the session more interactive and hands on!



Ian Okoth
R.A.S chair TUK

📅 4th Oct 2024 🕒 3:00 - 5:00 PM 📍 American Wing 403

Register here



Internet of Things workshop series: Session 3

Protocols

Join us for the third session of the IoT workshop series where delve deep into IoT protocols and their place in designing IoT systems.

Facilitator :



Angaza Elimu

!Remember to carry your arduino kits and laptops with the arduino IDE installed to make the session more interactive!

📅 11th Oct 2024 🕒 3:00 - 5:00 PM 📍 American Wing 403

Register here



"First Steps in Robotics and Automation"

Guide to the introduction to IEEE Robotics and Automation Society: Exploring the Basics



Ian Okoth
Secretary IEEE
Technical University Of
Kenya Branch.
Chair Robotics and
Automation society
TUK.

📍 Google Meet
📅 15th June 2024
🕒 7.30 to 8.30 pm

🌐 www.ieee-Ras.org IEEE







IEEEXTREME TRAINING SESSION

Kenya Section

Learn how to best prepare for a hackathon
Learn how to tackle a problem from start to end
Solve a problem from the previous IEEExtreme

[Register now](#)

Date: 21st September 2024
Time: 7:00pm - 8:00pm



HAPPY IEEE DAY

01ST OCTOBER 2024

2024

15th Anniversary

IEEE DAY CELEBRATES 15th ANNIVERSARY ieeeday.org



Semiconductor Technologies Limited(STL) Industrial Visit

Date: 27th May 2024

Location: STL at DeKUT

Society: CAS DeKUT

Exploring Industry Connections:

Members were provided with valuable insights into the semiconductor industry

Hands-On Exposure: Provision of practical exposure to semiconductor manufacturing processes, bridging the gap between academic knowledge and real-world applications.

Networking Opportunities: Students engaged with industry experts, gaining insights into career paths and emerging trends within the semiconductor field.

Best Visuals



IEEE DeKUT Start-Up Summit

Date: 9th October 2024

Location: DeKUT

Society: PES & WIE DeKUT

The IEEE Dedan Kimathi University of Technology Start-Up Summit 2024, themed **Innovate, Launch, Scale: Building Resilient Startups and Business Leadership for the Future**, brought together over 100 participants, including students, aspiring entrepreneurs, and industry professionals

The summit offered a platform for attendees to engage in dynamic discussions, expert panel sessions, and startup pitching opportunities.

It focused on fostering innovation, entrepreneurship, and business leadership, equipping participants with insights on launching and scaling successful startups.



The poster for the Startup Summit features a purple background with the IEEE logo at the top left. The title "STARTUP Summit" is prominently displayed in green and white. Logos for WIE (Women in Engineering) and PES (Power & Energy Society) are in the top right. The "Keynote Speakers" section lists ten individuals with their names and titles: Rupal Jain (Engineer, Program Manager), Nathan Yebo (Parents Examiner), Kevin Olwako (Innovation Programs Manager-JLA), John Matego (CSR Leader for Middle East & Africa- IBM), Mark Gatere (Intern- Microsoft), Brighton Kikwende (Innovation & Transformation Leader), Faith Wairai (CFO, MIS Network), Margaret Munga (Creative Entrepreneur), Dr. Tonny Orokomsal (CEO, KeNIA), and Amanda Surzanne (Vice Chair- IEEE SPS). The event details are: Venue: LEMANA DOME, DEKUT; Date: WEDNESDAY, 9th OCT 2024; Time: 8:00AM- 5:30PM. A "WIE DAY" logo is also present. The bottom of the poster features logos for IEEE students, IEEE Signal Processing Society, IEEE SPAX, IBM, Microsoft, and other sponsors.



IEEE

NIOL WORKSHOP

Host: Multimedia University SB & Photonics Society

Date: February 2024

Venue: NIOL Lab

ABOUT THE EVENT:

- ▶ Theme: Unveiling the Power of Light.
- ▶ Organised by the Photonics society in collaboration with the other SB Photonics Societies and Photonics Kenya Section.
- ▶ Areas covered in the workshop:
 1. Laser Safety and handling.
 2. Michelson Interferometer Kit.
 3. Polarization and 3D Cinema Technology Kit.
 4. Fourier Optics Kit.
 5. Optical Microscopy Kit.
- ▶ Attendees were able to interact firsthand with the state of the art light technologies.
- ▶ In future, the SB plans to have more workshops so as to delve deeper into light technologies



Affinity Groups UPDATES

Section Affinity Groups Volunteers Leadership

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

IEEE YP Kenya

2024/25

- ▶ **Chair** - Jenipher Ogara
- ▶ **Past-Chair** - Fidel Makatia
- ▶ **Vice-Chair** - Brian Masoso
- ▶ **Secretary/Treasurer** - Wagatune Mwaura
- ▶ **Publicity Lead** - Chris Murimi
- ▶ **Industry Liaisons** - Timothy Kipchumba, Daniel Obare, Reu Kemboi
- ▶ **Membership Development** - Gerald Njakai
- ▶ **University Relations** - Elyas Smaida



Meetup & Networking

YP Networking Cocktail, 26th April at Cafe Amka

Experiences:

- ▶ *Theme: Entrepreneurship*
- ▶ *Major focused activity was networking and award recognition for IEEE Entrepreneurship Summit*
- ▶ *IEEE Entrepreneurship, IEEE HTB and YP Kenya Section*
- ▶ *Budget: \$1500 from YP Funding*
- ▶ *Report on: LinkedIn, YP Scoop, vTools*
- ▶ *Impact: Great space for YP Networking*

Lessons Learned, Challenges & Takeaways

- ❖ *Quality professional networking events will attract YP attendees*
- ❖ *Attendees will pay for an event if it is well publicized and brings value*
- ❖ *Balance between cost and venue*

Recommendations

- *Have enough time for publicity*
- *Focus on target audience for the attendees*
- *Have quarterly professional networking events.*

Best Visuals



YP Connect

YP Connect Webinar Series

Experiences:

- ▶ Webinar 1: Financial Literacy
- ▶ Webinar 2: Work-Life Balance
- ▶ Webinar 3: YP Membership Development
- ▶ Major focus on soft skills and Membership Development
- ▶ Report on: LinkedIn, YP Scoop, vTools
- ▶ Impact: More YP AG visibility, interest in joining the AG for graduating student members and new YPs joining IEEE.

Lessons Learned, Challenges & Takeaways

- ❖ Webinars offer an inclusive, affordable means of spreading information and learning

Recommendations

- Have quality webinars that are well spread out.

Event Posters

YP CONNECT SERIES.
Work-Life Balance For Young Professionals
Investing in the Success of Professional Life
Join us for a webinar on **Work-Life Balance** tailored for young professionals. Learn valuable tips on managing your time effectively and achieving a healthy balance between work, studies, and...
Winfred Mutinda
Engineer and Mentor
TOPICS
• How to set work-life boundaries
• Utilizing technology for time management
• Strategies for managing time effectively
• Identifying and prioritizing tasks
• Finding self-care and well-being
26th JUNE 2024 7:00 TO 8:00PM WEREX

YP CONNECT SERIES.
Financial Literacy For Young Professionals
Investing in Your Future
Join us for a webinar on **Financial Literacy** tailored for young professionals. Learn valuable insights on personal finance and how to make informed investment decisions.
Wandia Karuri
Financial Advisor, Savings and Investment Expert
TOPICS
• Economic outlook: the basics of personal finance
• Exploring investment options for young professionals
• Building a solid financial foundation for the future
26th JUNE 2024 7:00 TO 8:00PM WEREX

Young Professionals Development Mentorship Meet
Sponsored by IEEE YP PES MDI and IEEE Mentoring Meet
Join us for an exciting event, where young professionals & students, interact with industry leaders, share insights, and build pathways to success in the industry sector!
ELIGIBILITY
Young Professionals
Graduate Students
Undergraduate Students
21st SEPTEMBER 2024 FROM 2:00 AM TO 4:00 PM
REGISTER AT: IEEE PES MDI
<https://conferences.pesindia.org>

Discover the Benefits of IEEE Young Professionals (YP) Membership
Join us for a webinar where we explore the many mutual benefits of IEEE Young Professionals (YP) membership. Learn the YP's role in your career and how to get the most out of it.
Tom Coughlin
IEEE President
Kishini Mufungu
IEEE GenSec Section Chair
26th JUNE 2024 7:00 TO 8:00PM WEREX
Register at: <https://conferences.pesindia.org>

Professional Development & Mentorship

YP Development and Mentoring Meet

Experiences:

- ▶ *Session 1: 31st August 2024*
- ▶ *Session 2: 21st September 2024*
- ▶ *Major focus on Mentorship in different career tracks as well as soft skills*
- ▶ *IEEE YP, IEEE PES, IEEE Mentoring Meet*
- ▶ *Report on: LinkedIn, YP Scoop, YP Reporting, vTools*
- ▶ *Impact: Student and Young Professionals mentorship from Industry leaders*

Lessons Learned, Challenges & Takeaways

- ❖ *Partnerships to offset the budget*
- ❖ *Role of proper timelines for overall event success*

Recommendations

- *Have more mentorship opportunities and tracks for the members*

Best Visuals



Social Activities

YP Forum, 12th August at American Corner

Experiences:

- ▶ Open discussion on YP challenges balancing workplace demands and volunteering
- ▶ Further discussion in membership retention of students and YPs
- ▶ IEEE Kenya Section, IEEE YP
- ▶ Report on: LinkedIn, vTools
- ▶ Impact: More YP AG visibility, interest in joining the AG for graduating student members and new YPs joining IEEE.

Hike and Bike, 5th October at Karura

- Collaboration with Student Branches in celebration of IEEE Day 2024.

Recommendations

- Have social activities for members to have open discussions on their current status and how to improve the AG.

Best Visuals



Chapters UPDATES

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 - Stephen Okwiri
13. SEN/SYSC Joint - Stephen Okwiri
14. Industrial Application Society (IAS) - Marta Chaltu

IEEE MICROWAVES & ANTENNAS WORKSHOP

IEEE MTT-S DELEGATES



BRUNO
BORGES CARVALHO



MAURIZIO
BOZZI



GOUTAM
CHATTOPADHYAY



SAMIR
EL-GHAZALY

IEEE APS-S DELEGATES



STEFANO
MACI



ATIF
SHANIM



YAHYA
ANTAR



VIKASS
MOREBHURRUN

Join us for an exclusive Microwave and Antennas Workshop featuring esteemed delegates from IEEE MTT-S and IEEE AP-S. Elevate your knowledge, network with industry leaders, and explore cutting-edge advancements in microwave technology and antenna design.

Monday | 29th July 2024 | Manu Chandaria Centre, UoN





IEEE PES Kenya

SCADA

ENGINEERING MASTERCLASS

INDUSTRIAL VISIT

Join Us In Our Upcoming
Industrial Visit & Training At

8:30 am To 1:00 pm

Centurion Systems Ltd
(attendance will be virtual and physical)

MAY 30TH, 2024

(Rhapta Road Westlands opposite Ibys Hotel)



Join Our Webinar

ADMS ADVANCED MASTERCLASS

Best Practices in Energy
Management Systems (EMS)
Applied in Hyperscale Data Centres:
A Power Management
Perspective Using Ignition SCADA System



SPEAKER

MR. EDUARDO AUDICCHE

SR DEP.
IEEE PES

3:00 PM | Thursday | (GMT+3)
23 MAY

Join Session [bit.ly/WebEx-ADMS-PESKenya](https://www.ieee.org/web/kenya)

Register Today <https://events.ieee.org/m/426513>



CAS Seasonal School on Wearable Technology

Date: 21st-23rd March

Location: DeKUT

Society: CAS

The CAS Seasonal School on Wearable Technology brought together over 55 students from various IEEE Student Branches across Kenya and featured more than 17 renowned speakers from around the globe.

The event aimed to explore cutting-edge advancements in wearable technology, offering attendees valuable insights into key areas such as data processing, signal analysis, and user-friendly interface design for wearables.

This successful event was made possible through the invaluable support of our partners and sponsors: IEEE Circuits and Systems Society (CASS), Gearbox Europlacer, IEEE Computer Society, WAZIUP, and TinyML.

Best Visuals



Upcoming: Photonics in Security and Surveillance

Date: 15th-17th & 19th October

Location: Dedan Kimathi University of Technology

Society: Photonics Kenya & Photonics DeKUT

An opportunity to explore the role of photonics in security and surveillance

Theoretical and practical aspects featuring hands-on training in closed and circuit television installation and maintenance.



IEEE Photonics Society Kenya

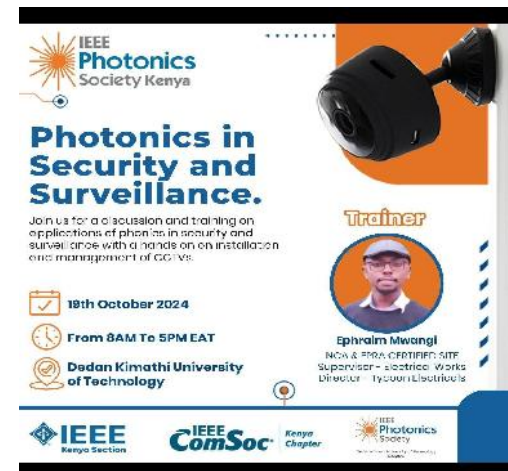
Photonics in Security and Surveillance.

Join us for a discussion and training on applications of photonics in security and surveillance with a hands-on installation and management of CCTVs.

- 15th - 17th October 2024
Webinar Series
- 19th of October 2024
In person training at DeKUT from 8am-6pm

Register Here!

IEEE Kenya Section **IEEE ComSoc Kenya Chapter** **IEEE Photonics Society**




IEEE Photonics Society Kenya

Photonics in Security and Surveillance.

Join us for a discussion and training on applications of photonics in security and surveillance with a hands-on installation and management of CCTVs.

Trainer



Ephraim Mwangi
NCA & ETRA CERTIFIED SITE Supervisor - Electrical Works Director - Telecoms/Electricals

- 18th October 2024
- From 8AM To 5PM EAT
- Dedan Kimathi University of Technology

IEEE Kenya Section **IEEE ComSoc Kenya Chapter** **IEEE Photonics Society**

IEEE SPS Kenya Chapter: K-12 Editions



1st Edition; Kitisuru, Nairobi (December 2023)



2nd Edition; Our Lady of Mercy Secondary School, Nairobi (February 2024)



3rd Edition; Mt. Kenya Academy, Nyeri (March 2024)



4th Edition; Children in Freedom School, Nakuru (March, 2024)

IEEE SPS Kenya Chapter: K-12 Editions



5th Edition; Samburu Girls Foundation, Samburu



6th Edition; Blessed Hope Secondary School,



7th Edition; Makerere Primary School, Uganda (July 2024)



*8th Edition; Tanganyika International
Schools, Tanzania (July 2024)*



IEEE SPS Kenya Chapter: K-12 Workshop Sessions



Virtual Reality



IoT & Robotics



Mentorship & Pitching



Mental Health & Self Awareness



Design Thinking



Culinary Arts



IEEE Tech Ignite Summer School

TECH IGNITE SUMMER SCHOOL 

THEME: Sustainable Technologies and Digital Transformation

INDUSTRIES TO BE VISITED

Africa
DataCentres

VISA

ORACLE

KCAA
efficiently managing air safety

BASIS

IBM

Safaricom

D&S DAVIS & SHIRTLIFF
know HOW through experience

E&M TECH

numeral IOT.

EQUATOR MOBILITY

ACTOM
1982-1983

19th - 23rd August 2024

United States International University
NAIROBI, KENYA

TECH IGNITE SUMMER SCHOOL

THEME: Sustainable Technologies and Digital Transformation

Travel Grants Application

We invite students and Universities residing out of Nairobi to apply for travel assistance to attend the upcoming **IEEE TECH IGNITE SUMMER SCHOOL**. This will cover accommodation for 5 days

One has to register to qualify for the Travel Grants and is on 1st come 1st serve basis


Apply Here!

Application Closes **10th August 2024**

19th - 23rd August 2024

United States International University
NAIROBI, KENYA



1-DAY AP-S / MTT-S / EMC-S / GRSS

JOINT DISTINGUISHED LECTURE WORKSHOP



Levent SEVGI
Atlas University – TR
IEEE AP-S DL (2020-2023)



Atif SHAMIM
KAUST – SA
IEEE AP-S DL (2024-2026)



Shiban KOUL
IIT Delhi – IN
IEEE EMC-S DL (2024-2025)



Carlos L Martinez
Catalunya PolyTech University – SP
IEEE GRSS DL (2020-2024)



Reu KEMBOI
Host
IEEE Kenya AP-S Chapter Chair



Stephanie ORARO
Host
MTTS TuK Chair



Christiano TOMASSONI
University OF Perugia – IT
IEEE MTT-S DL (2024-2026)

[Register Here](#)



MAY, 17TH 2024

09:00am - 05:00pm

**THE TECHNICAL UNIVERSITY
OF KENYA**

Date

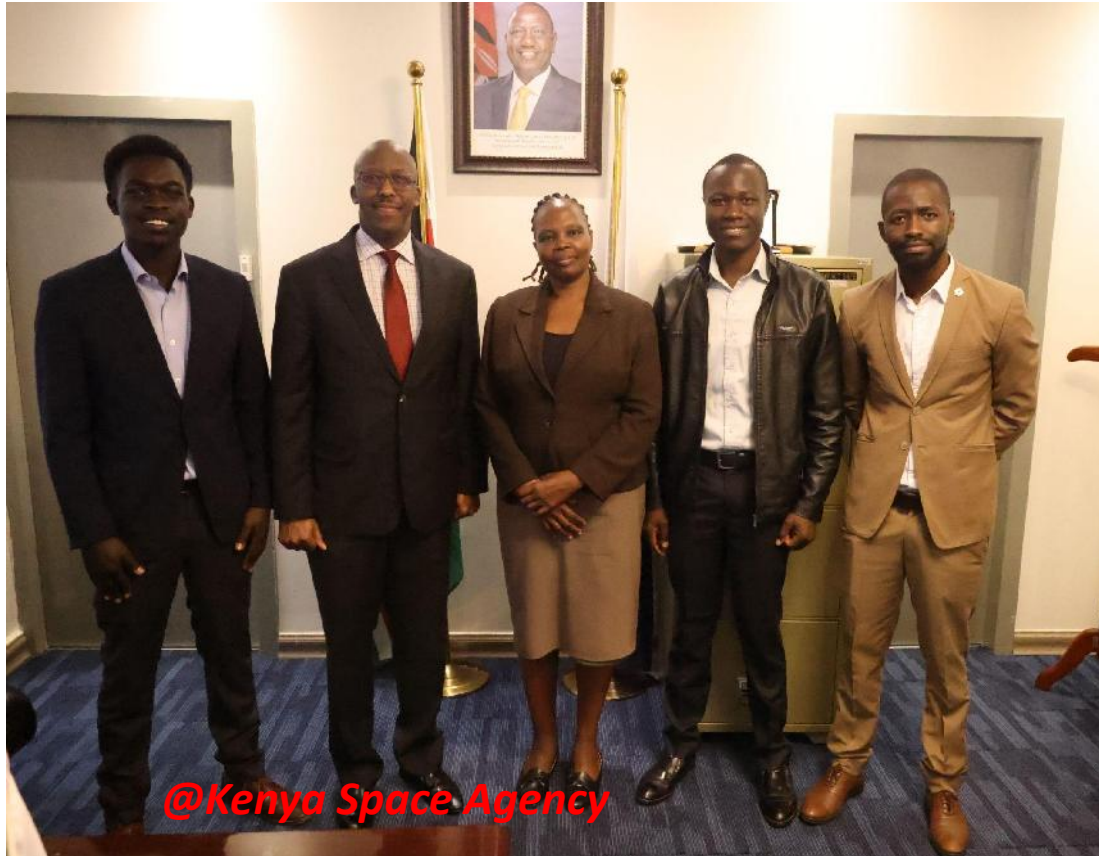
Time

Venue



Industry UPDATES

Visit to Kenya Space Agency



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

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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.

DEI UPDATES

Overview of Women in Sensors

Key Topics

- ✓ An overview of WiSe's mission and recent objectives
- ✓ Key achievements and impact within the community
- ✓ Opportunities for audience engagement and collaboration



Golden Tulip Westlands



14th
October 2024



Prof. Hamida Hallil
Committee Member, IEEE WiSe



IEEE
Women in Sensors



IEEE
Sensors Council



IEEE
Kenya Section

Fostering Inclusion in Sensing Technologies

Exploring Strategies to Foster Inclusion in Sensing Technologies, Driving Collaborative Excellence and Shaping a More Equitable Future in the World of Sensors.



Golden Tulip Westlands



14th
October 2024



Alicia Olago
Senior Product Manager
Sensors Africa



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Kenya Section

Ongoing Projects UPDATES

Ongoing Project: Ngamwa Solar Afya

Date: November 2023 to ...

Location: Ngamwa Dispensary, Mukurwe-ini, Nyeri

Society: PES DeKUT

The Ngamwa Solar Afya Project, now in its final stages, has successfully utilized solar energy to enhance healthcare delivery in rural Ngamwa.

By providing reliable power to health centers, the project has ensured consistent operation of critical medical equipment, lighting, and refrigeration for vaccines and medicines, addressing the frequent power outages in the region.

As we approach the project's conclusion, we extend our heartfelt appreciation to the dedicated volunteers whose efforts have been instrumental in making this project a reality. T

Best Visuals



Ongoing Project: Mumui Community Water Tech4Good Project, Isiolo

Date: June - Dec 2024

Location: Mumui Village, Ruiru, Isiolo-Meru

Society: SIGHT Kenya

Call for volunteers

MUMUI Water Project

APPLY TODAY

We are searching for volunteers to assist us in implementing the Mumui Water Project in Isiolo and making a positive impact on the community.



<https://bit.ly/MumuiApp>



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IEEE SIGHT
Special Interest Group on
Humanitarian Applications
of Information Technology



Ongoing Project: Obaro Water Project, Budalangi

Date: 2023 - 2024

Location: Bulwani, Budalangi

Society: SIGHT Kenya & KU SB



Site Visit

 Bulwani, Budalangi

 June 2024

Project Activities

- ✓ Social Corporate Responsibility
- ✓ Community Outreach
- ✓ STEM Mentorship
- ✓ Mini Hackathon



IEEE SIGHT
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Humanitarian
Technologies

 0746012053

 Obaro Clean Water Initiative

Planned Activities & Projects UPDATES

INTERNATIONAL MICROWAVE & ANTENNAS SYMPOSIUM (IMAS 2025)



THEME: ANTENNAS & MICROWAVE TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT

 **OCTOBER, 2025**

 **NAIROBI, KENYA**

SPONSORED BY: IEEE MTT-S AND IEEE AP-S

SMART LIVING CONFERENCE

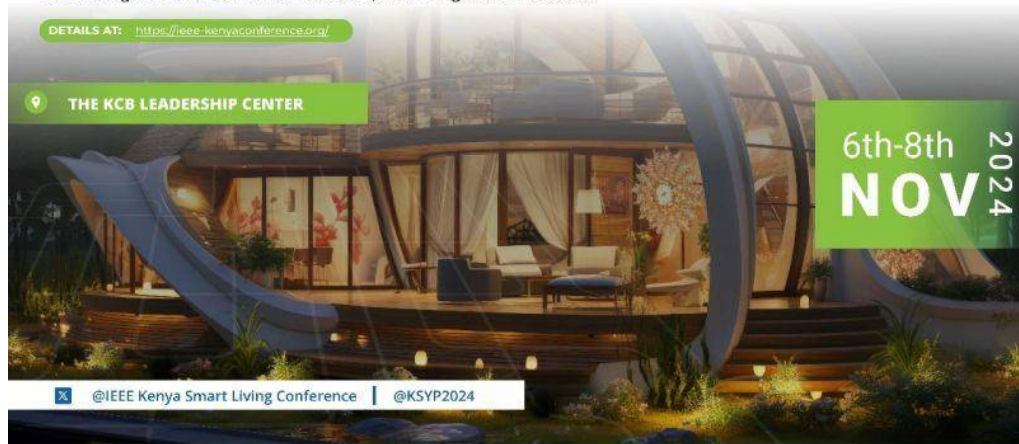
EMPOWERING KENYA BY FOSTERING INNOVATION FOR SUSTAINABLE LIVELIHOODS

Join leading researchers, engineers, and industry titans as we explore the future of SMART LIVING, together in a collision of ideas, a spark that ignites innovation.

DETAILS AT: <https://ieee-kenyaconferences.org/>

 **THE KCB LEADERSHIP CENTER**

6th-8th
NOV
2024



 @IEEE Kenya Smart Living Conference | @KSYP2024



PROBLEM STATEMENT

Situation of Water In Obaro and How we are Solving the Problem

The Obaro Sub-Location suffers from a lack of access to clean drinking water, leading to high rates of waterborne diseases and impacting overall health. Additionally, the region experiences a concerning high school dropout rate among girls due to early pregnancy. This project aims to address these challenges through a two-phased approach:

Installing a solar powered water treatment plant: This will provide the village with a sustainable source of clean drinking water, reducing the risk of illness and improving health outcomes.

STEM mentorship and hackathon: The program will empower students in STEM fields and provide them with hands-on learning experiences and mentorship from STEM students and industry professionals.



IEEE SIGHT KENYA PRESENTS:
OBARO CLEAN WATER INITIATIVE

An initiative that seeks to address the challenge of inaccessibility of clean water for the people of Bulwani in Budalangi constituency.

Dec '23 - May '24

Bulwani, Budalangi Constituency

Project Scope:

- Installation of a Solar Powered Water Treatment Plant
- Implementation of a Women's Empowerment Program



FOLLOW US

CALL FOR PROJECTS

Submit Now!

Congratulations!

Mumui Water Project in Isiolo

By: Kithinji Muriungi & Allan Kimeli

Regina Yego Girls Center Solar Power Project in Eldoret

By: Alex Watila & Kennedy Muchina

IEEE Kenya Section extends congratulations to the volunteers who were awarded grant funding for the projects mentioned above for securing funding to carry out their engineering humanitarian initiatives.



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EPICS IN IEEE

Service learning projects funded by the Industry Applications Society (IAS).
Good luck to the IAS members as they complete their projects.

Solar Powered Water Purification and Real-Time Monitoring Project- Kenya

Empowering Rural Schools: Early Engineering and Smart Energy for Equity - Colombia

Multimodal Smart Glove for Enhancing Livelihood of Disabled Children - India

Swarm DC Grid for Rural Electrification in Topi Region - Pakistan

Semi-automated Machine for Roasting Coffee Beans - Mexico

AI-based Coconut De-husking Machine - India

Water Storage, Automated Irrigation, and Waste Management in the Matoruco Agroecological Garden - Colombia

Snapping Shrimps in Northern Aegean Sea: Acoustic Behavior and the Impact of Noise on the Species - Turkey

A Comprehensive Maintenance Strategy for Electric Vehicles: Empowering Rural Communities - India



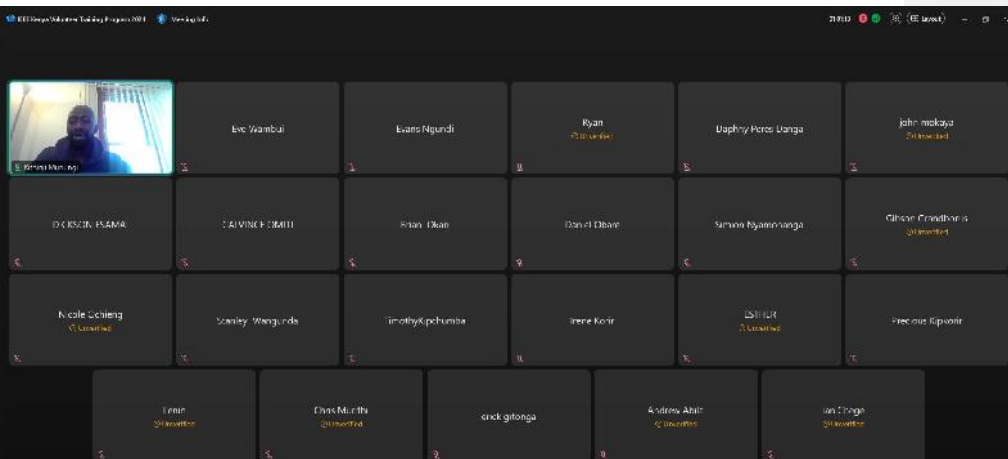
User Customizable Multifunctional Wheelchair for Disabled - India

Solar-based Street Lights and Maintenance for Sustainable and Safe Communities - India

IEEE Kenya Volunteer & Leadership Training Program: 6 Months

August 2024 - February 2025

60 Local Volunteers



Program Architects:

Esther Muchiri & Humphrey Muhindi (Volt 14)

Program Host:

Stephen Okwiri (Volt 23) & Kithinji Muriungi (Volt 19)



