

# IEEE KENYA SECTION 2023



*Esther Muchiri*  
*Chair*

*August 11-13, 2023*

*IEEE R8 Meeting Ottawa, Canada*



# Section Vitality

2023



**Esther Muchiri**  
Chair



**Kithinji Muriungi**  
Chair-Elect



**Dr. Girmaw A. Tadesse**  
Secretary



**Stephen Okwiri**  
Vice Secretary



**Dominic Juma**  
Immediate Past Secretary



**Vincent Egesa**  
Immediate Past Chair



**Lavender Ndunya**  
Treasurer



**Dr. Mutugi Kiruki**  
Vice Treasurer



**Eng. Sally Musonye**  
Immediate Past Treasurer



*Ex-Com*



**IEEE**  
KENYA SECTION

**IEEE**  
Advancing Technology  
for Humanity

- ❑ The IEEE Kenya Section election held on July 10th, 2022, resulted in the following:
  - ❑ *Kithinji Muriungi, as Vice-Chair and Chair Elect*
  - ❑ *Lavender Ndunya, Treasurer*
  - ❑ *Cosmas Kiruki, Vice Treasurer*
  - ❑ *Girmaw Tadesse, Secretary*
  - ❑ *Stephen Okwiri, Vice-Secretary*
- ❑ As per the constitution, the Vice Chair/Chair Elect will assume the role of Chair for the next section, and the next executive election is scheduled for later this year.

# Section Vitality

- ❑ The IEEE Kenya Section ExCom meets on the second Thursday of every month to monitor progress and address important action items aimed at serving its members better.
- ❑ Some milestones resulting from these meetings include:
  - ❑ Increased member activities and involvement.
  - ❑ Improved funding for activities and support for members to participate in international events
  - ❑ Increased engagement with various industries and institutions.
  - ❑ Productive student branch involvement leading to the creation of new SBs.
  - ❑ Improved membership within the section.



# IEEE Kenya Section Annual General Meeting

The key highlights of the IEEE Kenya Section's Annual General Meeting, held at Emory Hotel in Nairobi on May 6th, 2023, were as follows:

- ❑ *Organization Units Presentations*
- ❑ *IEEE YP STEP (Student Transition & Evaluation Partnership)*
- ❑ *Launch of IEEE Signal Processing Society and Electron Devices Society*
- ❑ *New Volunteers induction*



Launch of SPS and EDS Kenya

IEEE Kenya AGM Celebration

# IEEE Kenya Industry 4.0 Summer School (17-21 July 2023)

The first ever IEEE Summer School organized by IEEE Electron Devices Society (EDS) in collaboration with IEEE Signal Processing Society (SPS) and Kenya Section was a 5-day event that drew the participation of 50 attendees from the Kenya Section and Tanzania Sub-section. The event, hosted at Africa Nazarene University in Kajiado, Kenya, included hands-on workshops, technical and professional training sessions, and social activities.



*Attendees during the closing ceremony*



*Participants showcasing what they've learnt and what their projects will be like*



*Interacting with nature (the fun part)*



# IEEE SPS Regional Meeting & EDS Mini Colloquia

The IEEE Signal Processing Society Regional Meeting Electron Devices Society Kenya held on 30th June 2023 at Villa Rosa Kempinski Hotel showcased captivating keynote presentations, thought-provoking panel discussions, and interactive workshops facilitated by esteemed experts in diverse fields. Attendees had the valuable opportunity to exchange knowledge, foster connections with peers, and explore collaborations that will drive innovation in signal processing and electron devices.



Dr. Kevit giving a presentation on Industry 4.0



Esther Muchiri together with the event speakers



Panel on Moonshot Thinking

# IEEE YP Hikes & Bikes Over Ice cream Hangout



*Hike through Paradise Lost Nature Trail, Kiambu Kenya*



*Teams of YP members boat riding*



*Food & Networking*



# Affinity Groups

- ❑ List of Affinity Groups
  - ◆ IEEE Women in Engineering (WIE)
  - ◆ IEEE Young Professionals (YP)
  - ◆ IEEE SIGHT
- ❑ List of SB AGs, newly formed or dissolved AGs/SB AGs, if any since the last meeting reporting.
- ✓ JKUAT SIGHT
- ✓ JKUAT WIE
- ✓ TUK WIE
- ✓ MMU WIE
- ✓ UON WIE
- ✓ KU WIE
- ❑ List of AGs intended to support AG
  - IEEE Standards Association
  - IEEE Entrepreneurship



*IEEE TUK, DLP with Dr. Noel*



*IEEE TUK, Membership Drive, 29th and 30th May*



# Student Activities: Student Branches

## Student Branches

1. Technical University of Kenya (TUK)
2. Multimedia University of Kenya (MMU)
3. Moi University (MU)
4. Kenyatta University (KU)
5. Strathmore University
6. The University of Nairobi (UoN)
7. Masinde Muliro University of Science and Tech'
8. Jomo Kenyatta University of Agriculture and Tech'
9. Dedan Kimathi University of Technology (DeKUT)

## New

1. Muranga University of Technology (MUT)

## In Petition

1. University of Eldoret (UoE)



*IEE KU Codefest Hackathon*



*International Women in Engineering Day*



*IEEE ComSoc meeting on Industry 4.0*



*IEEE TUK, Launch of Societies for Humanity*

# Humanitarian Activities



*IEEE TUK, Mentorship - Our Lady of Mercy Secondary*



*Tree planting*



*Book donation*



**IEEE Kenya PCEA KIMUKA GIRLS** *Advancing Technology for Humanity*  
**Outreach and Mentorship**



# Diversity, Equity, and Inclusion



IEEE WIE Day 2023 at Kenyatta University



IEEE Strathmore SB-Relaunch



Technical paper writing workshop



IEE TUK STEM Outreach and Mentorship



WIE talk

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# Industry Engagement Initiatives

We managed to organize industry-focused events, participated in industry visits, and established partnerships with industry organizations.

This has resulted to increased collaboration opportunities, improved access to industry resources, and greater



2. Engagement meeting with Microsoft



3. Dinner with our industry partners



1. The Institution of Engineers of Kenya



4. Engagement with Gearbox



# Planned Activities

# IEEE AFRICON 2023



## IEEE SPS AFRICA Entrepreneurship Forum

LEVERAGING DIGITAL INNOVATION FOR  
ENTREPRENEURIAL SUCCESS

NAIROBI, KENYA

19TH  
SEPT  
2023

### WHO SHOULD ATTEND?

- Start-up entrepreneurs at all stages, including pre-seed and early stage, in the signal processing community.
- Researchers and professionals interested in transforming their research ideas into commercial ventures.
- Investors and industry experts looking for emerging technologies and innovative solutions in signal processing.

### OBJECTIVES

- Sharing entrepreneurship journeys and stories from successful signal processing entrepreneurs.
- Discussing challenges and opportunities in translating signal processing research into commercial applications.
- Providing a platform for pitching ideas and gaining valuable feedback from experts and investors.
- Training and inspiring a new generation of signal processing entrepreneurs.

### PROGRAM HIGHLIGHTS

#### KEYNOTE TALKS

from successful signal processing entrepreneurs and industry experts.

#### PANEL DISCUSSIONS

on the challenges and opportunities in signal processing entrepreneurship.

#### START-UP PITCH SESSIONS

where entrepreneurs present their ideas to a panel of experts and investors.

#### NETWORKING OPPORTUNITIES

to connect with fellow entrepreneurs, investors, and experts in the field.

#### A STARTUP FAIR

showcasing selected innovative signal processing start-ups and their products.



## HOW YOU CAN PARTNER WITH US

- Pick a Sponsorship Package**  
out of the 5 options available
- Exhibit**  
your new products or services
- Support Specific Items**
  - Welcome reception or Dinner
  - Conference Breaks (Tea or Lunch)
  - Conference Lanyard or Bag or Stationery or Bag inserts
- Sponsor Specific Sessions**
  - Keynote, panel or tutorials
  - Networking event
- Participant Scholarships**  
Sponsor students, women engineers, attendees from developing countries
- Media Partnership**  
in kind publicity

IEEE AFRICON 2023

GET VALUE FOR MONEY



SEPTEMBER  
20TH - 22ND  
Kenya School of  
Monetary Studies  
NAIROBI, KENYA

2023.ieee-africon.org

- ✓ Speaking Opportunity at Keynote, Panel or Dinner
- ✓ Complimentary Conference Registrations
- ✓ Discounts on additional attendee registration
- ✓ Complimentary Tickets to the Dinner and Reception
- ✓ Distribute your marketing material
- ✓ Company Description on conference website
- ✓ Company Logo on conference marketing material

For more information about partnering with us write to:

[africon-partners@ieee.org](mailto:africon-partners@ieee.org)



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# How R8 Can Support Kenya Section?

- ❖ List of challenges we are facing:
  - Limited budget for activities and events
  - Limited outreach and engagement with potential members and industry partners
  - Competition from other professional organizations in the field
  - The potential for decreased funding and support from IEEE and industry partners due to economic changes
  
- ❖ Areas that we need support from R8
  - Traditional membership to be given at a cheaper/discounted rate.
  - Older IEEE members incentivization and support to transition to Senior membership.
  - IEEE Digital library for local Universities to support students with their projects & research.
  - Reiterate suggestions made by the past chair to provide an option for Quarterly Payments of membership fees. This will make renewal decisions easier and reduce member attrition.



# THANK YOU!

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