

Tanzania Subsection

Dennis N. Mwigusa

Section Vitality

- The last Subsection elections was held on December 2023 and the next election process has started; we are expecting to have the new leadership by the 15th of November. The current section leaders will end their tenure on December 2024. Currently the Subsection has no Vice Chairman hence with the new election we are expecting the Vice Chairman position to be filled as well. This will help in the future since we are planning for the vice Chair to be the Chair Elect.
- The election process will be done manually since the Subsections do not have access to the online election process. We had contacted the MGA committee and waiting for the matter to be taken care so that we also conduct election through an online process same as the Sections.
- The current ExCom is as follows:
 - Subsection Chair – Eng. Dr. Dennis N. Mwigusa
 - Past Chair – Eng. Prof. Zaipuna O. Yonah
 - Secretary – Raymond Lugina
 - Past Secretary –
 - Treasurer – Eng. Godiana Hagile Philipo
 - Past Treasurer – Eng. Hellen Daniel
- The vacant positions in the ExCom include:
 - Vice Chair
 - Vice Secretary
 - Vice Treasurer
- Our Section Excom meeting happens 4 times a year.

Students

- We have the new student chapter: which is College of Information and Communication Technologies, University of Dar es Salaam (CoICT, UDSM) but also have another chapter which is Nelson Mandela Africa Institution of Science and Technology (NM-AIST)

Affinity Groups

- IEEE Tanzania Subsection have the SIGHT Group (#23-012) registered in September 2023 and is operational.
- IEEE Tanzania Subsection also registered Young Professionals Affinity Group and it was confirmed on May 2024. The Group has its leadership under the Chairman Mr. Lunodzo Mwinuka and its fully operational.

Chapters

- IEEE Tanzania Subsection successfully registered IEEE APS Chapter on July 2024 and it is fully operational under the leadership of Mr. Martin Lyimo.
- April 2024 IEEE Tanzania Subsection sent the application to join the to the IEEE African Council, Petition were done already and we are waiting for the final decision during the IEEE African Council Meeting to be held on 20th October 2024 in Bordeaux, France.

Industry

- We have partnership with Engineers Registration Board (ERB) to train courses and offer Professional Development Units (PDUs) to local engineering professionals, we have been doing these activities to Engineering Colleges such as St. Joseph College of Engineering and Technology, UDSM College of Information and Communication Technologies, Dar es Salaam Institute of Technology and UAUT Engineering College.

- We have partnership with Institution of Engineers Tanzania (IET) to collaborate on issues related to career development, training and capacity building. The intention is to reach a number of people, visibility and creating impact to the community. IEEE Subsection Chairman is also a Member of IET Editorial Board and IET Panel of Experts. This is a great move that has led to a strong bond between the two organizations.
- IEEE Tanzania Subsection has partnered with The International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME 2025) to organize a conference that will be done in 16th to 19th October 2025 in Zanzibar, Tanzania.

Diversity, Equity and Inclusion

The subsection strictly believes and promotes “no discrimination policy” and strongly encourages “underrepresented” communities. In this regard, we have taken initiatives to invite and encourage “women” (being underrepresented in STEM fields) to play an active role, in fact leading role, in our activities. For example, the core executive committee comprises two female colleagues, a treasurer and a chairman of SIGHT Group, we have also female members in the executive management in the APS chapter and YP affinity group.

Activities since the last report

- IEEE Tanzania in collaboration with IEEE Antennas and Propagation Society represented by Vikass Monebhurrun who is serving as a Chair of the IEEE Antennas and Propagation Standards Committee and Associate Editor of IEEE Transactions on Antennas and Propagation we organized a workshop and delivered a lecture on human exposure to electromagnetic fields emitted by wireless communication devices: from 1G to 5G. The aim of the talk was to provide a review of the current state of the art on human exposure to electromagnetic fields emitted by ubiquitous wireless communication devices and networks. The event took place at the Nelson Mandela African Institution of Science & Technology (NM-AIST) on 23rd of April 2024 and was attended by students and staff from NM-AIST, Arusha Technical College (ATC), and other IEEE Members.
- As a Chairman of IEEE Tanzania and some members were privileged to attend the East Africa IEEE Entrepreneurship Summit 2024 at Strathmore University which aimed to foster an environment of collaboration and knowledge sharing, but also encouraging sustainable innovation and entrepreneurship in East Africa. During my speech I encouraged to continue building camaraderie by hosting more events as this is a great way to increase membership recruitment and retention. Events also will give existing members a chance to socialize and interact with one another, which can help create a stronger sense of the IEEE community and keep people coming back. IEEE Africa.
- As a Chairman I was invited at IEEE PowerAfrica Conference 2024 which was held at OR Tambo Conference Centre in Johannesburg South Africa between 7th to 11th October 2024. Along others the event was sponsored by IEEE Smart Village (ISV) and IEEE Industry Applications Society (IAS). With other reasons the aim was to learn about IAS and facilitate the process of registering an IAS chapter in Tanzania.



IEEE Antennas and Propagation Society Lecture delivered by Prof. Vikass Monebhurrun from France



East Africa IEEE Entrepreneurship Summit 2024 at Strathmore University



IEEE PowerAfrica Conference 2024 at OR Tambo Conference Centre in Johannesburg South Africa

Planned activities

- Establishment of more SB chapters apart from the already established one, also making the present one more engaging and interactive.
- Establishment of an IAS Chapter, the process has started.
- IEEE Tanzania Subsection Annual General Meeting (AGM) which is supposed to take place in December 2024.
- IEEE Tanzania Subsection to sponsor the International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME 2025) which will be held in Zanzibar on October 2025.
- Full section growth: We are hardly trying to recruit more members but also relocate members who have registered in other countries to Tanzania so that we meet the number required for the elevation to the full section. We have also presented the matter to R8 that according to our vibrancy be considered for the elevation and remove the obstacle of numbers.

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

We would real appreciate if we are allowed to file for the full section registration. Despite not meeting the membership base set by R8 which is 250 but our subsection is very active hence thinking that it should not be about numbers but more on the vibrancy of the subsection to be promoted, meanwhile we are proceeding to convince more members to join so that we can meet the number set by IEEE R8.

Any other issues of interest