



PERSONAL PROFILE

Dr. Eng. Shadrack Mambo is a holder of Doctor of Technology (D'Tech) degree in Electrical Engineering from Tshwane University of Technology and a Senior Lecturer at Walter Sisulu University. He received his Bachelors and Master's degree in Radio and TV Engineering from Odessa Polytechnic Institute (OPI), Odessa, Ukraine in 1991. He has industry experience of over 15 years gained from various telecommunications companies he has worked for. In 2006, he joined academia as a lecturer at Kenyatta University and held various key positions such as Founding Chairman, Electrical & Electronics Engineering Department and later as Dean, School of Engineering & Technology. Dr. Mambo is a member of the following professional bodies: Engineers Board of Kenya (EBK) No. A4143, Institute of Engineers of Kenya (IEK) No. M8322 and Senior Member (IEEE) No. 93168564 and Chair, IEEE CASS, Kenya Section. He is mentor to both his peers in the academic circles and students in the school. Currently, he is leading several research teams as either a principal investigator or a technical leader in different research projects, supervising 3 PhD candidates and 3 master's degree students, as well as final year undergraduate student projects.

Shadrack has volunteered in several IEEE CAS activities, having been the pioneer Patron for IEEE Kenyatta University Students Branch Chapter, and helped start IEEE CASS Kenya, which he is the current Chairperson. Through his leadership, several CASS activities have been accomplished among them:

- Recruitment drive for the society membership and still ongoing.
- Formation of CASS Students chapters in other universities such as Dedan Kimathi University (DeKUT), Strathmore University, Technical University of Kenya (TUK), Masinde Muliro University of Technology (MMUST ongoing).
- Kakuma Refugee Camp Fablab in collaboration with IEEE, Geneva University and Kenyatta University.
- Community Outreach activities such as Kisima Jangwani, Dreams Children Home Computer Lab, Rwanda Embedded Systems workshop, Smart Cities Workshop at Konza City, etc.
- Mentorship and Training at Kenyatta University Primary School, Mama Ngina Kenyatta University outreach to nearby secondary and primary schools.
- CASS Uganda Research Symposium.
- Formation of CASS Students Chapter in other countries such as South Africa and Rwanda (both ongoing projects).

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