

CV _ EMMANUEL WOKULIRA MIYINGO

Makerere University • CEDAT • Electrical & Comp Engineering • Kampala, Uganda.

BIO-DATA

Name: Emmanuel Wokulira Miyingo
Sex: Male
Nationality: Ugandan
Date of birth: 25th Dec 1983
Mobile phone: +256782423774 or +256702423774
Email: miyingo@yahoo.com or emmanuel.miyingo@mak.ac.ug
Marital status: Married
Motto: My way of living is my message!
Mission: To extend genuine service to humanity



EDUCATION BACKGROUND

- April 2016 – Sept 2020** PhD, University of Kassel, Witzenhausen, Germany, focused on *Development of Energy Use Profiles, Reduction Concepts, and Implementation of Renewable Energies in the Central Ugandan Pineapple Processing Chains.*
- July – August 2014** Post Graduate Certificate in Project Planning and Management, College of Business and Management Sciences, Mak, P.O. Box 7062, Kampala.
- 2009 - 2012** Master of Science (Renewable Energy), Makerere University, P.O. Box 7062, Kampala, Uganda.
- 2004 – 2008** Bachelor of Science (Electrical Engineering) – Honours First Class Degree, Makerere University, Kampala, Uganda.
- 2002 - 2003** Uganda Advanced Certificate of Education, Mulusa Academy Wobulenzi.

WORKING EXPERIENCE AND RESEARCH PROJECTS

Makerere University, P.O. Box 7062, Kampala, Uganda, 2008 - Date

- Lecturer in the Department of Electrical and Computer Engineering, College of Engineering, Design, Art and Technology. Key tasks: Lecturing (Courses lectured: Energy Conversion and Generation, Energy Systems, Power Systems Protection and Coordination, Control Systems Engineering, Instrumentation and Control, among others), Research, Governance, and Supervision of undergraduate students.

Technology for Tomorrow Ltd (T4T), Makerere University, Kampala Uganda, 2005 - Date

- Involved in various research activities under the mentorship of the late Dr. Musaazi in collaboration with Prof. Roy Clarke, University of Michigan, USA. They included but not limited to design and installation of small-scale standalone solar systems (e.g. for two health centers in Fort Portal), developing low cost lighting systems, electricity generation from medical waste, to mention a few.

The then German Technical cooperation, P.O. Box 10346, Kampala, Uganda, 2007 - 2008

- Worked with the then Energy Advisory Project (EAP) to assess the new and old refrigeration equipment sold in Uganda. In this investigation, measurement of current, voltage, and power consumption of refrigeration equipment was done in order to obtain data to enable the development of standards of refrigeration equipment in Uganda.
- Energy efficiency in the building sector: energy consumption and practices in selected Kampala buildings categorized as residential, commercial, and government were established through visitation and interviews using questionnaires, and recommendations made on how to efficiently utilize energy especially electricity.

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- Data collection and Analysis; data on the first phase of the project of giving out energy savers by government of Uganda was collected and analyzed. This was intended to assess the effect that had been created by the project.

PRESENTATIONS

African Studies Center (ASC), University of Michigan, Ann Arbor, MI 48104, 18th – 20th Oct 2019.

- STEM-V Conference on Appropriate Technology in Africa. It was intended in part as a memorial and tribute for the late Dr. Moses Kizza Musaazi, Makerere University and founder of Technology for Tomorrow Ltd, Uganda, who was master of the “Appropriate Technology”.
- Gave a talk titled: "Appropriate Technology (AT) - the Genius of Dr. Moses Kizza Musaazi", which focused on AT accomplishments related to renewable energies especially solar energy in Uganda. This was under the panel, “Gakyali Mabaga: The Legacy of Dr. Moses Musaazi in the Domain of Sustainable Technology.

NARO-MAK Scientific Conference 2018, Speke Resort Munyonyo, Kampala, Uganda, 12th – 15th Nov 2018.

- Public Poster Presentation at the above conference on preliminary investigation of biogas generation from pineapple peels in central Uganda.

Tropentag 2017, University of Bonn, Bonn, Germany, 20th - 22nd Sept 2017.

- Public Presentation at the above international conference on a case of pineapple drying and munaanansi making in central Uganda.

African Studies Center (ASC), University of Michigan, Ann Arbor, MI 48104, Feb 2016.

- Public Presentation at one of the University of Michigan African Presidential Scholars Program (UMAPS) Colloquium Series. The presentation was on the design, development, and deployment of energy systems based on renewable energies, which is my major research field.

Ministry of Energy and Mineral development (MEMD), P.O.BOX 7270, Kampala, Uganda, 2004.

- Workshop on energy crisis in Uganda intended to develop short, medium, and long-term strategies for averting the situation that befell Uganda characterized by frequent load shedding and blackouts, which greatly affected business in Uganda.
- Participated in focus discussion groups that came up with short, medium, and long time strategies to avert the situation among which included use of efficient equipment as well emphasizing renewable energies especially solar PV plus sensitization as short-term approaches.

INTERNSHIPS/INVITED WORKSHOPS

Community Wireless Resource Centre, Makerere University, Faculty of Technology, Electrical Department, 2007.

- Carried out third year Industrial Training with the above Centre; an establishment in the then Electrical Department. During the training, I got involved in the configuration and deployment of wireless networks in Kabale, Nabweru, and Lira.

Ministry of Energy and Mineral development (MEMD), P.O.BOX 7270, Kampala, Uganda, 2006.

- Trained in energy related issues especially energy conservation and efficiency. Got involved in energy audits of both small and large facilities gaining skills on how to carry out an energy audit.

LANGUAGES

Luganda: Mother tongue
English : Spoken – fluent; written – excellent; reading – excellent