

CV

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OBJECTIVE

To obtain a position to enhance and to leverage my expertise to drive innovation and meaningful change. Committed to implementing practical solutions to socioeconomic challenges and advancing sustainable development. Passionate about fostering progress within communities through strategic initiatives and collaboration.

Industrial Experience

Staff member

Al swani medical centre to rehabilitate people with disabilities and special needs, Libya.

2012-2014

- Generator Maintenance:
- Heater Management:
- Lighting Maintenance:
- Team Management:

Professional Skills

- HIL Specialist Certification
- Computer programming MATLAB, Python.
- Good skills using Microsoft word, Excel LATEX.
- Good English and Arabic languages skills
- Good time management skills.

EDUCATION

DEng in Electrical Engineering

Cape Peninsula University of Technology, Cape Town, South Africa

12 December 2023

Doctor of Philosophy (in public administration major in socioeconomic and development)

Tarlac State University Philippines

August 2020

Master of Science in Electrical Engineering Major in power system (MSEE)

Advanced Diploma in Electrical Engineering

Alzahra Higher Institute of Sciences and Technology, Libya.

March 2011

AWARDS

- 2021 ESKOMTESP BURSARY
- 2021 BURSARY AWARDED
- 2022 Post Grad CPUT Funding
- 2023 Postgraduate CPUT award

PUBLICATIONS

- MGM Almihat, MTE Kahn, Design and implementation of Hybrid Renewable energy (PV/Wind/Diesel/Battery) Microgrids for rural areas, 2023, Solar Energy and Sustainable Development 12 (1), 80-104 2.
- MGM Almihat, MTE Kahn, Centralized control system for islanded minigrid, 2023, AIMS Energy 11 (4), 663-682 3.
- MGM Almihat, MT Kahn, , Wind Turbines Control Trends and Challenges: An Overview, 2022, International Journal of Innovative Research and Scientific Studies 5 (4), 378-390 4.
- MGM Almihat, MTE Kahn, K Aboalez, AM Almaktoof , Energy and Sustainable Development in Smart Cities: An Overview , 2022, Smart Cities 5 (4), 1389-1408 5.
- MGM Almihat, MT Kahn, AM Almaktoof, An overview of Renewable Energy Utilization and Developments: Challenges and Opportunities Worldwide, 2022, African Journal of Advanced Pure and Applied Sciences (AJAPAS), 1-16 6.
- DM Khonani, AM Almaktoof, M Almihat, Optimal Sizing of Stand-Alone Photovoltaic Systems for Rural Electrification, 2021, AIUE Proceedings of the 2nd Energy and Human Habitat Conference
- Ehsan Altayef, Anayi Fatih, AJ Adel, Dhabaa Shaima, H Ehada, BDEREDDIN ABDUL SAMAD, MGM Almihat, AM Almaktoof, Design for a Standalone Wind-Hydrogen Plant A novel in Tripoli-Libya, Publication date 2020/11/24 AIUE Proceedings of the 18th Industrial and Commercial Use of Energy Conference
- Presented a paper PV STAND-ALONE SYSTEM FOR REMOTE AREAS at Conference: PROCEEDINGS OF THE 2nd INTERNATIONAL CONFERENCE ON ENERGY, ENVIRONMENT AND STORAGE OF ENERGY ICEESEN 2022At: Kayseri, Türkiye Issue ISBN: 78-625-00-9020-6 Pages 33-39
- A Review of AC and DC Microgrid Energy Management Systems , AIMS Energy 11 (6), 1031-1069. **Single author**
- MGM Almihat, JL Munda, Review on recent control system strategies in Microgrid, 2024, Edelweiss Applied Science and Technology 8 (6), 5089-5111

COMMITTEE INVOLVEMENT

Cape Peninsula University of Technology

- Session Chair for AIUE-EHH2022 international conference held on November, 2022 in castle of good hope, Cape Town, South Africa.

- Admin assistance in the AIUE-EHH2021 international conference held on July, 2021,
- Cape Peninsula University of technology, Cape Town, South Africa.
- Reviewers for international journals and conferences.
- Vice Chair (Voluntary) of IET on Campus Cape Peninsula University of Technology branch (2020- present).
- Discipline Specific Tutorial Training on the 20 May 2021 offered by Fundani CHED, South Africa.
- Attended a workshop on RESEARCH METHODOLOGY WORKSHOP held by Cape Peninsula University of Technology 8-12 June 2020

Tarlac State university

- Resource speaker in the international webinar on Pre-Employment and Labour Education for graduating student themed. Held by Tarlac State University, Philippines July 23,2021 Via Zoom
- Seminar on Ethics & Morality held by Tarlac State University, Philippines on September 12, 2019.
- Seminar on how to accelerate Local Economic Development held at the TSU Main AVR, Tarlac City, Tarlac on June 28, 2019.
- Symposium on Comprehensive Land Use Plan held at the TSU CPAG Accreditation Room, Tarlac City, Tarlac on October, 2019.

PROFESSIONAL AFFILIATIONS

Cape Peninsula University of Technology (PhD Candidate 2020-2023) Tshwane University of Technology (Postdoc researcher 2024- to present)

REFERENCES

Prof MTE Kahn, Focus Area Leader: Smart Energy Research Chair: Energy Director: Energy Institute

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Prof. Atanda Raji, Associate Professor in Microgrid and Integrated Energy Systems Deputy Director: Energy Institute& HoP: Postgraduate Studies and Research Cape Peninsula University of Technology (CPUT)
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Prof. Khaled Aboalez, Associate Professor: Engineering Management, Postgraduate School of Engineering Management university of Johannesburg

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Prof Josiah Munda (Current supervisor), Director, Centre for Energy and Electric Power (CEEP) Tshwane University of Technology
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