**Dr. Kamilu Oluwafemi Lawal**, ***MNSE, R-ENGR***

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**ACADEMIC QUALIFICATIONS**

**2024**  Ph.D. Power Systems & Electric Machines, Abubakar Tafawa Balewa University, Bauchi, Bauchi Nigeria

**2011**  MSc. Power Engineering, Brandenburg University of Technology, Cottbus, Germany

**2005**  BSc. Electrical and Electronics Engineering, University of Lagos, Lagos, Nigeria

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| **PROFESSIONAL DEVELOPMENT**   * Profressional Certificate in Project Management in International Development- ***June 2024*** * Green Hydrogen and PtX Training, Agora Energiewende, Berlin Germany- ***March*** ***2023*** * 22nd Micro-Grid Academy Online Training on Introduction of Value Chain of Renewable Energy -***March*** ***2022*** * Regional online Training on Renewable Energy Technology for Professionals in ECOWAS States – ***October 2020*** * The Book Publishing Process: An Elsevier Author Workshop (online) -- ***June 2020*** * Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI). --***March 2016*** |

**WORK EXPERIENCE**

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| **Oct. 2020 – Present: Abubakar Tafawa Balewa University** – Lecturer I   * Lectured courses e.g. Power Systems, Electrical Services Design, Advanced Electromagnetics etc. * Coordinated Power Systems Laboratory in the Department * Supervised over 25 undergraduate final-year students’ projects * Industrial Training Officer in The Department of Electrical and Electronics Engineering   **Oct.2017 to Sept. 2020: Abubakar Tafawa Balewa University** – Lecturer II   * Lectured courses like Power Systems, Reliability Engineering * Supervised many undergraduate final-year students’ projects * Departmental Registration Officer   **Jan.2014 to Sept. 2017: Abubakar Tafawa Balewa University** – Assistant Lecturer   * Lectured courses like Power Systems, Power Electronics, Reliability Engineering * Supervised many undergraduate final-year students’ projects * Departmental Assistant Registration Officer |

**Nov.2012 to May 2013: Wroclaw University of Environment and Life Science, Wroclaw, Poland** – **Research Assistant**

* Designed electronics controller for micro hydropower systems
* Measured inductances for permanent magnet synchronous generato
* Developed a model in Simulink for micro hydro power systems

**Sept.2011 to Mar. 2012: Panel Elecktro Sanayi, Istanbul Turkey** – **Intern, Engineering Sales**

* Assisted with tender document evaluation for the production of motor control centres
* Assisted with schematics necessary for the assembly of motor control centres
* Performed other administrative functions

**2007 - 2008: Praiz Systems, Lagos, Nigeria** -Trainee Multimedia Technologist

**2006 - 2007: Anambra State Education Commission, Anambra, Nigeria**– National Yoth Service Corp.

**2005 - 2006: Aberdeen Electricals, Lagos Nigeria** – Junior Electrical Engineer

**AWARDS AND GRANTS**

* **2012 –** European Union Grant for the Student Lifelong Learning Programme, To Acquire Intercultural Qualifications

and Professional Skills—Leonardo Office, Brandenburg University of Technology, Cottbus, Germany.

* **2013 –** European Union Grant for the Graduate Lifelong Learning Programme, To Acquire Intercultural Qualifications

and Professional Skills—Leonardo Office, Brandenburg University of Technology, Cottbus, Germany.

* **2016 –** Association of African Universities (AAU) Scholarships ($1,000), Accra, Ghana.
* **2019-**-Recognition for excellent service to the Nigerian Society of Engineers, **NSE**, Bauchi Branch.
* **2020 –** Tertiary Education Trust Fund Institute Based Research, **IBR** ($4,500), Abuja, Nigeria.

**SELECTED PUBLICATION**

**Kamilu O. Lawal,** Hassan .S. Miya**,** Ganiyu A. Bakare, and Usman O. Aliyu (2024). Load Frequency Control Strategy Using Hybrid Adaptive Particle Swarm-Spiral Dynamic Optimization Algorithm for Stand-alone Renewable Rural Network. Nigerian Journal for Tropical Engineering (NJTE), Vol 18, 21-29 ISSN: 1595-5397, DOI: 10.59081/NJTE.18.1.003

Abah, P. A., Bakare, G.A.,1 Okereke, O. U., Hassan, S. M., and **Lawal, K. O**. (2004) **.**Load Frequency Control Strategy For Microgrids Using Computational Intelligence Optimized PID Controller Nigerian Journal for Tropical Engineering (NJTE), Vol 18, 192-209 ISSN: 1595-5397, DOI:10.59081/njte.18.2.007

K. A. Ibrahim, **K. O. Lawal**, I. K. Muritala**.** (2004)Development of A Solar-based System for Agricultural Products Drying in Sokoto State, Nigeria.2nd Faculty of Engineering and Technology Conference (FETiCON 2023), Jun. 5 - 7, 2024, University of Ilorin, Nigeria.

**Kamilu O. Lawal,** Ganiyu A. Bakare, and Usman O. Aliyu (2022). Intelligent Load-Frequency Control System for Micro-hydro Power System for Evboroho II Community, Edo State, Nigeria. National Journal for Tropical Engineering (NJTE), Abubakar Tafawa Balewa University, Bauchi, Nigeria. Volume 16, No. 1, ISSN: 1595-5397. Pg 635-643. December 2022.

**Kamilu O. Lawal**, Azizat O. Gbadegesin, Faisal Sani, Mahmud Abdulsalam (2020). " Model and Simulation of a Micro Hydro-power System for Evboroho II Community, Edo State, Nigeria". International Conference on Electrical Engineering Applications” (ICEEA’2020), Department of Electrical Engineering, Ahmadu Bello University, Zaria 23rd-25th September 2020.

**Kamilu O. Lawal,** Ganiyu A. Bakare, Usman O. Aliyu, Azizat O. Gbadegesin and Nna D. Chimaobi (2018).

“Design and Evaluation of a Micro Hydro- Power system for Evboro II Community in Edo State, Nigeria”.

2018 Clemson University Power Systems Conference (PSC), SC, 2018.

Chimaobi D. Nna, Azeezat O. Gbadegesin, and **Kamilu O. Lawal** (2016). “A Decentralized, Renewable-Energy-

Powered-Business Hub for Rural Areas: A Case Study for Ilakan Community Nigeria” 2016 Clemson University

Power Systems Conference

(PSC), Clemson.URL: http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7462814&isnumber=7462813

**CONFERENCES AND WORKSHOPS**

* **October 2013**: “Conference on Conservation and Sustainable Use of Ecosystems”, Greifswald, Germany.
* **November 2014:”** World Engineering Conference on Sustainable Infrastructures, WECSI”, Abuja, Nigeria.
* **December 2014:”** National Engineering Conference, (Academia-Industry), ACICON, Bayero University Kano, Nigeria.
* **March 2015:**” IEEE Power System Engineering Conference”, Clemson, USA.
* **April 2016:** International German Academic Exchange (DAAD)**”** Workshop on Accelerating the

Development of Renewable Energy in Developing Countries, in Cottbus and Hannover Germany.

* **September 2020**: “International Conference on Electrical Engineering Applications” (ICEEA’2020), Zaria, Kaduna, Nigeria
* **March 2021: “**Workshop on Biogas Production and Recent Innovation”, EGE University.
* **March 2023:** “Agora Training on Green Hydrogen and PtX”, Berlin Germany.
* **October 2023:** “SDG7 Deep Dive Stakeholder Engagement: Applied Research for Accelerating off-grid Projects” Abuja, Nigeria.

**MEMBERSHIP OF PROFESSIONAL ASSOCIATION**

* **March 2016-**Registered Engineer, Council for the Regulation of Engineering in Nigeria, COREN (36,142)
* **February 2017**- Corporate Member, Nigerian Society of Engineers, NSE (37,103)
* **April 2024**- Member, International Association of Electrical, Electronic and Energy Engineering, IAEEEE (71050768)
* **April 2024**- Member, International Association of Engineers, MIAEng (371081)

**COMMUNITY SERVICE**

* **September 2023**: Paper presentation titled Driving Sustainable Energy Transformation in Nigeria at the

Annual General Meeting of the Nigerian Society of Engineers, Bauchi State, Nigeria.

* **October 2022:** Presentation: Decarbonization Via Hydrogen-Introduction to P2X for The Nigerian Institute of

Electrical and Electronics Engineering, Bauchi Chapter.

* **July 2022**: Training of Young Engineers Forum of Nigeria, Bauchi Chapter on Mini-grid Design and

Entrepreneurship Skills.

* **June 2022**: Presentation on Funding Your Start-up Ideas for the Young Engineering Forum of Nigeria, Bauchi

Branch.

* **March 2022:** Presentation on Fundamentals of Renewable Energy at the Ordinary General Meeting of the

Nigerian Society of Engineers, Bauchi Branch.

**REFERENCES**

* **Prof. U. O. Aliyu**

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* **Prof. G. A. Bakare**

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