CURRICULUM VITAE

SECTION A: GENERAL INFORMATION

(a) Name:	Dr. Osemwegie IKPONMWOSA-EWEKA
(b) Date and of Birth:	17th March 1986; Benin City
(c) Marital Status:	Married
(d) Nationality:	Nigerian
(e) Permanent Home Address:	22, Agbado Street, Off Akpakpava Street, Benin City.
(f) Current Postal Address:	Department of Production Engineering, Faculty of Engineering, University of Benin, PMB 1154, Benin City.
(g) Present Appointment:	Lecturer I (23rd October, 2024)
(h) Post to be considered for:	Senior Lecturer
(i) Telephone Number:	+234 803 633 9204
(j) E-mail Address:	eweka.egie@uniben.edu

Google Scholar link : https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=W5hYPcQAAAAJ

SECTION B: QUALIFICATIONS

(a) Academic Qualifications:

(i) Degrees with Dates

- University of Benin, Benin City, Ph.D (Industrial Engineering) - 2023
- University of Benin, Benin City, M.Eng (Industrial Engineering) - 2017
- University of Benin, Benin City. B.Eng (Production Engineering) - 2010

(ii) NATIONAL YOUTH SERVICE CORPS (NYSC) ASSIGNMENT:

Edo State Ministry of works, Sapele Road, Benin City. Edo State. Nigeria (15th November 2011 – 14th November, 2012)

(iii) PROFESSIONAL QUALIFICATION/MEMBERSHIPS:

a. Registered Engineer, (COREN) 2019
b. Corporate Member The Nigerian Society of Engineers (NSE) 2018

(b) Teaching and Professional Experience:

(i) Employment/Professional Experience in University of Benin

Engineer, Office of Director of Works, Estate Dept. Oct. 2015 – Mar. 2021

Appointment in the faculty of Engineering.

(ii) Period of Full-Time Teaching in the University of Benin.

- Lecturer II - March 2021 – October 2024
- Lecturer I - October 2024 – Date

(iii) Undergraduate Courses Taught with Dates:

• PRE211	Manufacturing Technology I	2023 – Date
• PRE212	Manufacturing Technology II	2022 – Date
• IDE222	Introduction to Industrial Engineering I	2021- Date
• PRE311	Introduction to Manufacturing Technology III	2021 - Date
• IDE331	Introduction to Industrial Engineering	2021 – Date
• IPE301	Manufacturing Technology	2025 – Date
• IDE441	Engineering Accounting	2023 – Date
• PRE564	Technology Policy And Entrepreneurship Development in Production Engineering	2023 - Date
• IDE 564	Technology Policy And Entrepreneurship Development in Production Engineering	2023 - Date

(v) Other Students' Supervisory Assignment:

- Currently supervising eight (8) Undergraduate Students.
- Course Adviser to 500L Industrial Engineering Students (2022/2023)
- Course Adviser to 300L Production Engineering Students (2025/2026)
- Course Adviser to 500L Production Engineering Students (2025/2026 intake)
- UBITS coordinator, Department of Production Engineering 2023 - 2025
- Member, Faculty of Engineering Committee on Indecent dressing and Behaviour 2023/2024 Session
- Member, Faculty of Engineering Committee on Indecent dressing and Behaviour 2024/2025 Session
- Member, Faculty of Engineering Committee on Indecent dressing and Behaviour 2025/2026 Session
- Assistant Faculty of Engineering Examination officer, 2025/2026 Session
- Member, Faculty of Engineering Examination and Misconduct Committee 2025/2026 Session
- Faculty of Engineering Examination officer, 2026/2027 Session

C. Conferences/ Workshop Attended:

- A-3 Day Mandatory Continuing Professional Education Course for Prospective Corporate Members of the Nigerian Society of Engineers (N.S.E), (April,2019)
- 33rd Coren Assembly, 2025, Abuja, Nigeria
- 34th Coren Assembly, 2026, Abuja, Nigeria

D. Creative Works:

NIL

E. Materials already Published with Publishers and Dates:

(i) Books: NIL

(ii) Chapters in Books (International Book Chapter): NIL

(iii) Journal Articles :

LOCAL:

1. Eboigbe CI and Ikponmwosa-**Eweka O** (2021)
   "Optimization of Residual Stress in Mild Steel Gas Tungsten Arc Welded Joint Using Response Surface Methodology", Journal of Engineering for Development, 13(2): 31-42

2. **Ikponmwosa-Eweka O**, Achebo, JI, Obahiagbon KO, Ozigagun A (2023)
   "Application of Neuro-Fuzzy Inference System in Predicting Heat Input During Tungsten Inert Gas Welding Process at Steady State Condition", Journal of Engineering for Development, 15(1): 1-12

NATIONAL:

3. Erhunmwunse BO, and **Ikponmwosa-Eweka O** (2021).
   "Application of Artificial Neural Network Algorithm to Predict Percentage Dilution of Gas Tungsten Arc Weld", Journal of Energy Technology and Environment 3(3): 63-71

4. **Ikponmwosa-Eweka O,** and Achebo JI (2023).
   "Application of Response Surface Methodology to Predict Heat Input during TIG welding at steady state condition", Journal of Energy Technology and Environment 5(1): 53-58

5. **Ikponmwosa-Eweka O,** and Ozigagun A (2023).
   "Application of Response Surface Methodology to Predict penetration Area during TIG welding at steady state condition", Journal of Science and Technology Research 5(3): 94-100

6. Ogbeide OO, Erhunmwunse BO, **Ikponmwosa-Eweka O** (2024). Use of Artificial Neural Network to Evaluate and Forecast Selected Welding Parameters on Mild Steel Welded Joints Soldered by Tungsten Inert Gas. J. Appl. Sci. Environ. Manage. 28 (7): 2249-2254

7. **Ikponmwosa-Eweka O** and Eboigbe CI (2024). "Prediction of Convective Heat Transfer Coefficient in Tungsten Inert Gas Welding" J. Appl. Sci. Environ. Manage. 28 (11B Supplementary): 3901-3906

8. **Ikponmwosa-Eweka O** and Amuchi, A (2026). "Modelling Radiation Heat Loss during Tungsten Inert Gas Welding Process". J. Appl. Sci. Environ. Manage. 30 (4) 1257-1262

9. **Ikponmwosa-Eweka O** and Idemudia AI (2026). "Predicting Convective Heat Transfer Coefficient in TIG Welding via Adaptive Neuro-Fuzzy Inference System (ANFIS)". FUDMA Journal of Engineering and Technology Volume 2, Issue 1, 2026, 882-890

10. **Ikponmwosa-Eweka O** and Amuchi, AE (2026). "Neuro Fuzzy Inference System in Real-Time Prediction of Bead Penetration Area in TIG Welding Process". The Journal of Nigerian Institution of Production Engineers Volume 30, 2026, 75-87

INTERNATIONAL:

11. Adoh AU, Ifezue RE, **Ikponmwosa-Eweka O.** (2020). "Availability Analysis of a Sheet Machine: A Case Study of Eternit Sapele Nigeria Limited", International Journal of Multidisciplinary Research and Growth Evaluation, 1(4): 22- 26

12. **Ikponmwosa-Eweka O** and Eboigbe CI (2024). "Prediction of Convective Heat Loss on Surface of Weld during TIG Welding process Using Adaptive Neuro-Fuzzy Inference System ANFIS", International Journal of Multidisciplinary Research and Growth Evaluation 5(4) 2024: 874-860

13. **Ikponmwosa-Eweka O** and Erhumwunse BO (2026). "Prediction of Radiation Heat Loss from Weldment During TIG Welding" Pacific Journal of Science and Technology. 27(1): 32-42.

(a) Names and Addresses of Three Referees

(i) **Prof. D. E. Agbonlahor,**
Former Vice Chancellor,
Ambrose Alli University,
Ekpoma.
Tel: 08034934411
E-mail: deagbonlahor@yahoo.com

(ii) **Prof. J. I. Achebo,**
Faculty of Engineering,
University of Benin,
Benin City.
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E-mail: joseph.achebo@uniben.edu

(iv) **Dr. V. U. Imagbe**
Former Bursar,
University of Benin
Benin City
Tel: 08060568819