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BRIEF INTRODUCTION:

A Senior lecturer in the department of industrial and production engineering with over 11 years of experience in independent and collaborative research in diversified areas of engineering design, manufacturing engineering and automation and control systems. Holds Bachelor's degree (B.Eng) in production/ mechanical engineering from Nnamdi Azikiwe University, Awka Master's degree (M.Eng) in Manufacturing Engineering, from University of Benin, and Doctorate degree of philosophy (Ph.D) in Automation and control systems engineering from AAU-Ekpoma.

Area of expertise.

1. Engineering design of machine elements
2. Manufacturing engineering
3. Automation and control systems. etc

Research interests

1. Computer aided design and manufacturing.
2. Metal forming and joining processes
3. Vibration control
4. Modeling and control of linear systems. etc

Postgraduate supervision :(postgraduate diploma)

1. Design and manufacture of remote controlled car jack (2015)
2. Design and manufacture of alarm control yaw pounding machine (2014)
3. Characterization of solid mineral deposit in Edo North (2014)
4. Proportional – integral- derivative controller design and implementation (2015)

PUBLICATIONS (ARTICLES IN LOCAL AND INTERNATIONAL JOURNALS)

1. **OMORODION, I. I.**, S.O. AMIEBENOMO, J.O. IGBINOBA., “CASTING OF BRAKE DRUM FROM ALUMINUM SCRAPS USING THE TRADITIONAL LOSS WAX TECHNOLOGY” JOURNAL OF INDUSTRIAL ENGINEERING LETTERS VOL.3, NO.12, PAGES: 61-64, 2013. www.iiste.org.
2. **OMORODION, I. I.**, OBINABO, C.E., EVBOGBAI, M.J.E., “MODELING, DESIGN AND SIMULATION OF ACTIVE SUSPENSION SYSTEM ROOT LOCUS CONTROLLER USING AUTOMATED TUNING TECHNIQUE” JOURNAL OF MATHEMATICAL THEORY AND MODELING VOL.6, NO.1, PAGES: 52-56, 2016. www.iiste.org.
3. IGBINOBA, J.O., AIMUAMWONSA, I.O, **OMORODION, I. I.**, S.O. AMIEBENOMO, “DESIGN AND FABRICATION OF AN INTERLOCKING TILES CRUSHER” JOURNAL OF CONTROL THEORY AND INFORMATICS VOL.3, NO.6, PAGES: 1-8, 2013. www.iiste.org.
4. **OMORODION, I. I.**, S.O. AMIEBENOMO, C.I. OVIawe., “MODELING AND IMPLEMENTATION OF A PROPORTIONAL-DERIVATIVE CONTROLLER FOR ELECTROVISCOUS DAMPER” JOURNAL OF CONTROL THEORY AND INFORMATICS VOL.3, NO.6, PAGES: 25-28, 2013. www.iiste.org.
5. S.O. AMIEBENOMO, **OMORODION, I. I.**, IGBESI, F.C., “DEVELOPMENT AND PERFORMANCE EVALUATION OF AN AFRICAN BREADFRUIT SHREDDER MACHINE” INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND TECHNOLOGY (IJERT) VOL.2, ISSUE 3, PAGES: 1-11, MARCH 2013. www.ijert.org
6. **OMORODION, I. I.**, OBINABO, C.E., EVBOGBAI, M.J.E., “MODELING, DESIGN AND SIMULATION OF ACTIVE SUSPENSION SYSTEM PID CONTROLLER USING AUTOMATED TUNING TECHNIQUE” JOURNAL OF NETWORK AND COMPLEX SYSTEMS VOL.6, NO.1, PAGES: 11-15, 2016. www.iiste.org.
7. **OMORODION, I. I.**, OBINABO, C.E., EVBOGBAI, M.J.E., “ON THE OBSERVABILITY AND CONTROLLABILITY OF ACTIVE SUSPENSION SYSTEM” JOURNAL OF ENGINEERING SCIENCE AND APPLICATIONS (JESA) VOL.9, NO.1, PAGES: 18-24, MARCH, 2016.

8. **OMORODION, I. I.**, OBINABO, C.E., EVBOGBAI, M.J.E., “OPTIMAL FREQUENCY RESPONSE CONTROLLER DESIGN OF ACTIVE SUSPENSION SYSTEM USING AUTOMATED TUNING TECHNIQUE” JOURNAL OF ENGINEERING SCIENCE AND APPLICATIONS (JESA) VOL.9, NO.1, PAGES: 69-75, MARCH, 2016.

9. S.O. AMIEBENOMO, **OMORODION, I. I.**, IGBINOBA, J.O., “DEVELOPMENT OF GENERIC CHECKLIST FOR DIESEL POWER GENERATOR MAINTENANCE” INTERNATIONAL JOURNAL OF APPLIED SCIENCES AND ENGINEERING RESEARCH VOL.2, ISSUE 3, PAGES: 270-280, 2013. www.ijaser.com

10. **OMORODION, I. I.**, EHINGIAMUSOE, N.N., AGBALE, N. R., AIMUANMWOSA, I.O., “A STUDY OF THE EFFECT OF TIME ON THE SEPARATION OF TANK BOTTOM SHUDGE (TBS) FOR DIFFERENCE VOLUME OF EXTRACTION SOLVENT (XYLENE) USED RESEARCH JOURNAL OF APPLIED SCIENCES, VOLUME 2, NUMBER 11, PP 1116 – 1119, 2007.

11. **OMORODION, I.I.**, AMIEBENOMO, S.O. AND AIWIZE, E.A “DESIGN AND MANUFACTURE OF ONE CAVITY MOULD FOR CASTING PISTON” GLOBAL JOURNAL OF ENGINEERING AND TECHNOLOGY VOL 3, NO.4, 725-729 ,2010.

12. OVIawe C.I. AND **OMORODION, I.I.**, “ANALYSIS OF TUBE – SINKING OPERATION USING THE GALERKIN WEIGHTED RESIDUAL FINITE ELEMENT MODEL” AFRICAN JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT.VOL 4, NUMBER 1,PP 101-112.2011

13. **OMORODION, I.I.**, AMIEOBONOMO. S.O., AND IGBINOBA .J.O.”CASTING OF BRAKE DRUM FROM ALUMINIUM SRAPS USING THE TRADITIONAL LOSS WAX TECHNOLOGY.” JOURNAL OF INDUSTRIAL ENGINEERING LETTERS.

14. **OMORODION, I.I.**, “REPOSITIONING TECHNOLOGY EDUCATION IN NIGERIA” JOURNAL OF RESEARCH DEVELOPMENT (NARD), VOL.7, 2006.

15. EHIGIAMUSOE, N.N., **OMORODION, I.I.**, IGBINOBA, J.O., “DESIGN AND CONSTRUCTION OF AN IMPROVED YAM POUNDING MACHINE” JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY, NIGERIA VOL.2, NO.3, 2007.
16. **OMORODION, I.I.**, EHIGIAMUSOE, N.N., IGBINOBA, J.O., “THE EFFECT OF SOME SOLVENT AND SURFACTANT ON THE SEPERATION OF TANK BOTTOM SHUDGE(TBS) BY CENTRIFUGING” JOURNALS OF SCIENTIFIC AND INDUSTRIAI STUDIES, VOL.8, NUMBER 1 2010.
17. EHIGIAMUSOE, N.N., **OMORODION, I.I.**, AIMUAMWONSA, I.O, NORDINIA, J.O., “CASTING OF PISTON FROM ALUMINIUM SCRAPS USING THE TRADITIONAL LOSS WAX TECHNOLOGY” AFRICAN JOURNAL OF ENGINEERING RESEARCH AND DEVELOPMENT, VOL.3, NO.1, 2010.
18. EHIGIAMUSOE, N.N., OJIEABU, G.U., **OMORODION, I.I.**, “DESIGN AND FABRICATION OF SPECIMENT ROD EXTRUDE INCORPORATING A VACUUM PUMP” JOURNAL OF RESEARCH IN ENGINEERING, VOL.7, NO.2, 2010.
19. EHIGIAMUSOE, N.N., IGBUDU, S., **OMORODION, I.I.**, “DESIGN AND CONSTRUCTION OF RUG WASHING MACHINE” JOURNAL OF SCIENCE AND TECHNOLOGY RESEARCH, VOL.9, NO.2, 2010.
20. **OMORODION, I.I.**, AMIEOBONOMO. S.O., AND AIWIZE, E.A., “ASSEMBLY LINE BALANCE AND LAYOUT DESIGN OF A BICYCLE” GLOBAL JOURNAL OF ENGINEERING AND TECHNOLOGY, VOL.3, NO.3, PP 527-531 2010.
21. AMIEOBONOMO. S.O., IGBESI, F.C., **OMORODION, I.I.**, “FABRICATION AND PERFORMANCE EVALUATION OF AN IMPROVED BIOMASS COOK STOVE” INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH AND TECHNOLOGY (IJERT), VOL.2, ISSUE 3,PP 1-9 MARCH, 2013.
22. S.O. AMIEBENOMO, **OMORODION, I. I.**, IGBINOBA, J.O., “DESIGN AND DEVELOPMENT OF BEANS (VIGNA UNGUICULATA) DEHUSKING MACHINE” INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH AND STUDIES (IJRS) PAGES: 67-77.

23. OVIAWE C.I., OSIFO, G.E., **OMORODION, I.I.**, “ANALYSIS OF DIRECT EXTRUSION OPERATION USING BUBNOV GALERKIN MODEL” JOURNAL OF THE MATHEMATICAL PHYSICS, VOL.20, PAGES: 435-442.
24. S.O. AMIEBENOMO, **OMORODION, I. I.**, IGBINOBA, J.O., “DEVELOPMENT AND TESTING OF PILOT PALM KERNEL OIL EXPELLER” INTERNATIONAL JOURNAL OF MECHANICAL ENGINEERING RESEARCH, VOL.3, NO.2, PAGES: 1-10, 2013.www.ripublication.com/ijmer.htm.
25. S.O. AMIEBENOMO, **OMORODION, I. I.**, IGBINOBA, J.O., “PROYOTYPE DESIGN AND PERFORMANCE ANALYSIS OF SOLAR CLOTHES DRYER, (IJECS).
26. OVIAWE C.I., **OMORODION, I.I.**, “THE DETERMINATION OF STRESSES IN HOT BAR FORGING PROCESS USING THE WEIGHTED RESIDUAL FINITE ELEMENT MODEL” JOURNAL OF SCIENCE,ENGINEERING AND TECHNOLOGY, VOL.18, NO.18,pp 10119-10130 . 2011.

REFERENCE

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