

CURRICULUM VITAE

BIODATA

Name: DADA, Aderemi
Date of Birth: June 18, 1962
Gender: Male
State of Origin: Ekiti State
Nationality: Nigerian
Marital Status: Married
Religion: Christianity
Contact Address: Mechanical Engineering Dept., FPI.
E-Mail Address: aderemidada62x@yahoo.com
Present Status: Principal Lecturer

INSTITUTIONS ATTENDED WITH DATES

Lugansk Machine Building Institute, Ukraine 1986-1992
(Now Eastern Ukraine National University)
Kharkov Polytechnic Institute, Ukraine 1985-1986
(Russian Language Programme)
Kaduna Polytechnic, Kaduna, Nigeria 1979-1982
Government Technical College, Ado Ekiti 1975-1978

ACADEMIC QUALIFICATIONS WITH DATES

BSc, MSc Production Engineering (1992)
OND Mechanical Engineering (1982)
WAEC/C & G Certificates (1978)

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

Member, American Society of Mechanical Engineers (Membership No. 5462403)
Member, Nigerian Society of Engineers (Membership No. 11720)
Registered Engineer - COREN (Registration No. R11489))

WORKING EXPERIENCE

ACADEMIC EXPERIENCE

Sept. 2017 – Date: Coordinator - Department of Welding & Fabrication Engineering

Jan. 2017 – Date: Principal Lecturer – Department of Mechanical Engineering,

The Federal Polytechnic, Ilaro, Ogun State, Nigeria.

Presently active in the following areas:

1. CAD/CAM (MEC 316) HND 1
2. CNC and Robotics (MEM 416) HND 2
3. Metal Joining Processes (MEC 322) HND 1
4. Machine Tool Processes (MEM 422) HND 2
5. Jig and Fixtures Design (MEM 315) HND 1
6. Entrepreneurship Development (EED 413) HND 2

JAN. 2009 - DEC. 2016: Senior Lecturer – Mechanical Engineering Department, The Federal Polytechnic, Iaro, Ogun State, Nigeria.

Active in the following areas during this period:

1. CAD/CAM
2. CNC & Robotics
3. Machine Tool System
4. Machine Tool Processes
5. Jigs & Fixtures Design
6. Metal Joining Processes
7. Entrepreneurship Development

JAN. 2006 – DEC. 2008: Lecturer 1 – Mechanical Engineering Department, The Federal Polytechnic, Iaro, Ogun State, Nigeria

Active in the following areas during this period:

1. Assembly & Development Drawing
2. Welding & Fabrication Technology
3. Machine Installation & Testing
4. Machine Tool Technology
5. Production Management

JULY 2000 – DEC. 2005: Lecturer 2- Mechanical Engineering Department, The Federal Polytechnic, Iaro, Ogun State, Nigeria.

Active in the following areas during this period:

1. Engineering Drawing
2. Assembly Development Drawing
3. Machine Tool Technology
4. Foundry Technology

ADMINISTRATIVE EXPERIENCE

Coordinator – Department of Welding & Fabrication Engineering

- Supervised post-conceptualization activities before and during the NBTE Resource Inspection Exercise for Welding and Fabrication Engineering Department.
- Prepared list of welding and fabrication equipment for workshops/laboratories.
- Identified qualified academic/technical staff for the inspection exercise.
- Managed resources (human/capital) before and during the exercise.

Unit Head - Manufacturing Engineering (2008 – 2018)

- Coordinated technical staff in the Machine Shop, CNC Laboratory, Welding/Fabrication and Foundry Workshops.
- Ensured proper maintenance of equipment/tools in the workshops.
- Validated request for equipment and tools in the workshops.

Chairman - Departmental Project Committee (2008 -2018)

- Coordinated project activities for both ND and HND in mechanical engineering.

- Conducted project seminars for students in preparation for project/thesis defense.
- Organized project/thesis defense exercise in conjunction with faculty staff.

Departmental Examination Officer (2003-2008)

Departmental Secretary (2004-2007)

SIWES Coordinator (2004-2007)

SERVICE OUTSIDE THE FEDERAL POLYTECHNIC, ILARO

INDUSTRY/PROFESSIONAL EXPERIENCE

AUG. 2010–2013: RESOURCE PERSON: WAPCO/Lafarge Cement Company Performance Improvement Programme, UNESCO Centre, The Federal Polytechnic, Ilaro:

- Developed training manuals on machine tools and plant maintenance.
- Delivered lecture to trainees on plant service and maintenance.
- Conducted practical exercises on machining operation and plant maintenance.
- Conducted test and examined trainees at the end of each module.

JULY 1999 – JUNE, 2000: MACHINE SHOP MANAGER

Precision Machine Works Limited, Apapa, Lagos, Nigeria

- Overall responsibility for machine shop operations (milling, turning, etc).
- Grinding of crankshaft journals and boring of engine cylinders.
- Developed inspection methods for process drawings for machinists.
- Maintenance of mechanical equipment (pumps, compressors and boilers).

NOV.1998 – JUNE, 1999: PROJECT ENGINEER

Africommerce (West Africa) Ltd., Apapa, Lagos, Nigeria

- Supervision of over 20 technical staff responsible for maintenance of forklift trucks and industrial utilities under service agreement with Nigerian Bottling Company.
- Inspection of equipment to determine the need for repair/replacement.
- Validation of spare parts requisition to minimize maintenance cost.
- Interface with NBC management regarding equipment availability.

1993 – 1998: CONTRACT MECHANICAL/PLANT ENGINEER

Amroimpex International A/O, Moscow, Russia.

Involved in various engineering projects/assignments including but not limited to the following:

- Installation, commissioning, operation and maintenance of high-volume liquid packaging equipment.
- Post-installation equipment monitoring to minimize downtime and maintenance cost.
- Corrective/ preventive maintenance of mechanical equipment (boilers, compressors)
- Inventory management to reduce manufacturing cost.
- Machining operations such as milling, turning, boring and cam/gear cutting.
- Designed dedicated jigs and fixtures for machine tools.
- Technical translation.

SELECTED CONFERENCE /JOURNAL PAPER

JOURNAL PAPERS:

Dada, A. , Adeleye, A. (2019) *Production of Multiple Steps Shaft on CNC Lathe Using G-Code Programming* A Paper Published in The International Journal of Latest \ Technology in Engineering, Management, and Applied Science (IJLTEMAS). 8 (5).

Dada, A. Ajibola, W. A., (2018) Experimental Analysis of Metal Matrix Composite Reinforced with Sugarcane Bagasse Ash. *The International Journal of Modern Trends in Engineering and Research. (IJMTER)*. 6. (2).

Ajibola, W. A., **Dada, A., Amori,, A. A. .(2018)**. Micro-structural Studies and Characterization of Zinc Aluminium Alloy Reinforced with Alumina and Coconut Shell Ash. *The international Journal of Scientific Engineering and Applied Science (IJSEAS)*. 4. (2).

Adegbenro, S. A., **Dada, A. (2018)** An Investigation into the Engine Performance and Emission Characteristics of Diesel Engine Running on the Mixture of Petroleum Diesel and Refined Palm Oil as Alternative Source og Energy in Nigeria. *The Journal of Educational Theory and Practice (JETP)*. ISBN: 1952-4321.

Dada, A. (2016) The Impact of Manufacturing Sector on Economic Growth and Employment Generation. *The Ilaro Journal of Science and Technology. (IJST)*

Ajibola, W. A., **Dada, A., Amori, A. A. (2015)** Micro-structural and Mechanical Characterization of Reinforced Alumunium Composite (MMC). *A Paper Published in The International Journal of Scientific, Engineering and Applied Science (IJSEAS)*. 1 (2)

Dada, A. (2013) Exploiting Technical and Vocational Education and Training for Sustainable Human Resources Development. *The Journal of Management and Technology. ISBN: 3 (3)*

Dada, A. (2012). Biogas Production: An Energy Option for Sustainable Development in Nigeria. *The Ilaro Journal of Management, Science and Technology (TIJMAST)*.

TEXTBOOKS PUBLICATION/CHAPTERS CONTRIBUTION IN TEXTBOOKS

Dada, A. (2016) *Basic Metal Joining Processes*. Femlight Productions, Ilaro, Ogun State, Nigeria. ISBN: 978-978-958-884-8

Owodolu, O. O., **Dada, A., et. al (2014)** *Useful Information on Engineer in Society for Engineering Students and Professionals*. WSO Publishers, Ilaro, Ogun State. ISBN: 978 – 978 – 944 – 922 – 4

Owodolu O. O., Dada, A., et.al (2013) *Basic Principles and Useful Information for Becoming a Successful Entrepreneur for Vocational and Tertiary Institutions.* WSO Publishers, Ilaro, Ogun State. ISBN: 978 – 978 – 916 – 401 – 1

CONFERENCE PAPERS:

Dada, A. , Adeleye, A. (2018) Production of Multiple Steps Shaft on CNC Lathe Using G-Code Programming. *A Paper Presented at the First International Conference on Technological Innovation and Global Competitiveness. Organized by The Federal Polytechnic, Ilaro. Nigeria.*

Dada, A., Amori, A. A., Ajibola, W. A., (2017) Microstructurral Studies and Characterization of Zinc Alumunium Alloy reinforced with Alumina and Coconut Shell Ash. *A Paper Presented at the National Conference of The School of Pure & Applied and Information Technology held at The International Conference Centre, The Federal Polytechnic, Ilaro. Ogun State, Nigeria.*

Dada, A. , Ajibola, W. A. (2917) Microstructural Studies and Characterization of Zinc Aliminium Alloy Rreinforced with Aluminate and Sugarcane Bagsse Ash. *A paper Presented at the 11th Conference of School of Management held at the Federal Polytechnic, Ilaro. Ogun State, Nigeria..*

Dada, A. (2016) The Impact of Manufacturing Sector on Economic Growth and Employment Generation. *A Paper Presented at the 3rd School of Engineering National Conference, The Federal Polytechnic, Ilaro.*

Ajibola, W. A., **Dada, A.,** Amori, A. A (2015). Micro-structural and Mechanical Characterization of Reinforced Aluminum Composite. *A Paper Presented at the 3rd School of Applied Science National Conference, The Federal Polytechnic, Ilaro.*

Dada, A. (2015) Maintenance Culture and Asset management as an Instrument for Sustainable Infrastructural Development. *A Paper Presented at the 1st South West Zone of Academic Staff Union of Polytechnics Conference held at The Federal Polytechnic, Ilaro.*

Dada, A (2014) Exploiting Technical and Vocational Education and Training for Sustainable Human Resources Development. *A paper accepted for presentation at the 3rd Rift Valley Technical Training Institute International Conference, Eldoret, Kenya.*

Dada. A., Odunlami, S. A (2012) The Management of Technology Innovation in Entrepreneurial Development. *A Paper Presented at the 1st School of Engineering Conference, Moshood Abiola Polytechnic, Abeokuta.*

Dada, A., (2012) Biogas Production as an Energy Option for Sustainable

Development in Nigeria. *A Paper Presented at the 3rd National Engineering Conference, The Federal Polytechnic, Offa, Kwara State.*

Dada, A. (2011) Entrepreneurship Skills as a Tool for Reducing Graduate Unemployment in Nigeria. *A Paper Presented at the 4th ASUP National Conference, The Federal Polytechnic, Ilaro .*

UNPUBLISHED DISSERTATION/POST GRADUATE PROJECT/THESIS:

BATCH PRODUCTION OF CONNECTING RODS FOR AUTOMOBILES AND TRACTORS IN NIGERIA EXPLOITATION CONDITION.

RESEARCH WORK

Ajibola, W. A, Dada, A., Amori. A. A (2015) *Micro-structural and Mechanical Characterization of Reinforced Aluminium Composite (MMC). A Research Project Approved and Funded by the Research and Development Centre, The Federal Polytechnic, Ilaro (TETFUND Sponsored).*

RESEARCH INTEREST

- Manufacturing Processes
- Metal Joining Processes
- Precision Machining

COMMUNITY SERVICE

- Member of Nigerian Society of Engineers (NSE) Ilaro Branch Electoral Committee
 - Member Aseyori Community Development, The Bells, Ota. Ogun State.
 - Member Redeemer Men's Fellowship.
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REFERENCES

Engr. Femi Osore (Former Deputy Rector)
Mechanical Engineering Department,
The Federal Polytechnic, Ilaro
Mobile: 080-3689- 6807

Engr. F.A. O Akinboboye
Dean, School of Engineering
The Federal Polytechnic, Ilaro
Mobile: 090-3366-9112
