

CURRICULUM VITAE

ETTE, ANIEDI OKON

PERSONAL DATA: Date of Birth: November 10, 1949
Place of Birth: Itiam Etoi, Uyo, Nigeria
Nationality: Nigerian
Marital Status: 3 Children

BUSINESS ADDRESS: Mechanical Engineering Department
University of Uyo
P. M. B. 1017
Uyo, Akwa Ibom State
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HOME ADDRESS: No. 8 Ntiedo Udosen St.
Off EMCO Lane
Itiam, Uyo
P. O. Box 1637
Uyo, Akwa Ibom State
Tel: 085-202062

PRESENT POST: Professor

DATE OF FIRST APPOINTMENT: April 1986

STATUS AT FIRST APPOINTMENT: Lecturer I

DATE OF LAST PROMOTION: October 2003

PRESENT STATUS: Professor

GRADE: UASS 7

PRESENT SALARY POINT: UASS 7/10

DEPARTMENT/UNIT: Mechanical Engineering Department

FACULTY: Engineering

TRANSFER OF SERVICE: Transfer of Service from University of Agriculture, Makurdi, P. M. B. 2373, Benue State.

EDUCATIONAL BACKGROUND

- 1983 Doctorate of Philosophy (Ph.D) in Metallurgy, Minor: Mathematics, University of Arizona, Tucson, Arizona.
- 1980 Master of Science (M.S) in Metallurgy, Minor: Mathematics, University of Arizona, Tucson, Arizona.
- 1979 Bachelor of Science (B.S) in Materials Engineering, Michigan Technological University, Houghton, Michigan.
- 1968 West African School certificate (WASC) (Grade one). Lutheran High School, Obot Idim, Uyo, Nigeria.
- 1961 First School Leaving Certificate (FSLC), (Distinction). Holy Trinity Lutheran School, Uyo, Nigeria.

ACADEMIC QUALIFICATIONS:

B.Sc. 1979

M.Sc. 1980

Ph.D 1983

Professional Qualifications:

COREN (R.5671)

NSE (02912)

Scholarship/Fellowship and Prizes:

- INCO Academic Award
- Phillips Petroleum Fellowship
- MMRRRI Fellowship
- Outstanding Contribution Award – First Nigerian University Research and Development Fair, National University Commission (NUC).

Honours, Distinction and Membership Bodies:

- Alpha Sigma Mu International (1978)
- American Society for Metals (ASM) International (023209)
- Member TMS-AIME (1980)
- Member Nigerian Metallurgical Society (NMS)

- Member Science Association of Nigeria (SAN) (E-149)
- Registered Member COREN
- Member Nigerian Society of Engineers (NSE)
- Associate Member Nigerian Society of Chemical Engineers (NSCHHE) (1998)
- Cited Contemporary Who's Who of Professionals (2004)

WORK EXPERIENCE PROFILE

- Classroom Teacher (Primary School)
- Operator Oil and Gas Treating Plant – Mobil Producing Nig. (MPNU)
- University Lecturer (USA and Nigeria)
- HOD Mechanical Engineering, University of Agriculture, Makurdi.
- Dean, Faculty of Engineering, University of Uyo, Uyo.
- Deputy Vice-Chancellor (Administration), University of Uyo, Uyo.

WORK EXPERIENCE BEFORE PRESENT APPOINTMENT

- 1969 – 1972 - Teacher – Holy Trinity Lutheran School, Uyo
- 1972 – 1975 - Foreman – Mobil Producing Nigeria, Qua Iboe
Terminal, Ibeno, Eket (Treating Plant).

TEACHING EXPERIENCE AT UNIVERSITY LEVEL

1984 – 1986 Visiting Lecturer/Research Associate
Department of Material Science and Engineering
University of Arizona, Tucson, Arizona, U.S.A.

Teaching undergraduate/graduate courses in Metallurgy; conduct Research on sponsored projects.

1. Vacuum Induction Melting of Nickel-Based Alloys.
2. Gold Extraction from Cyanide Solution with PAZ #4.
3. Dynamics of Two-phase Flow in Bubble Column Flotation Unit.
4. Review of Proposals on Project Funding for SMEs.

1986 – 1988 Lecturer 1, Department of Metallurgy and Materials Engineering, University of Jos, Makurdi Campus, Makurdi.
Teaching undergraduate courses in Metallurgy and Materials Engineering.

1988 – 1998 University of Agriculture, Makurdi – Teaching Metallurgy courses, Mechanical Engineering courses, applied Mathematics, Supervision of undergraduate/graduate students and Research and Development of some local raw materials – clays, silica sand, gypsum, iron ore, etc.

- 1998 – 1999 University of Uyo – Visiting Scholar: Teaching of undergraduate in Mechanical Engineering and Chemical Engineering Departments. Academic Programme Development.
- 1999 – 2002 University of Agriculture, Makurdi. – Teaching and Research/Students Supervision, undergraduate/postgraduate.
- 2002 – date University of Uyo, Uyo – Teaching undergraduate courses and supervision of students. Review programme for Postgraduate Studies, conducting Research. Teaching Postgraduate courses in Mechanical Engineering.

RESEARCH INTEREST

- Systems/Process Optimization.
- Mineral and Materials Processing and Development.
- Plant Design
- Mathematical Modeling of Process Kinetics.
- Environmental Quality and Pollution Control.

RESEARCH ACTIVITIES COMPLETED (INCLUDING POSTGRADUATE SUPERVISION)

Proprietary and Sponsored Research:

- Vacuum Induction Melting of Nickel-base Alloys
- Gold Extraction with PAZ #4.
- Dynamics of Two-phase Flow in Bubble Column Flotation Unit.
- Development of Portable System for purifying drinking water.
- Extraction of Copper from Copper Smelter flue dust.
- Developed separation process for Sn, Pb, Zn, Cu, Au, and Ag from electroplating slime in fluoro-silic acid electrolyte.
- Intensive research in the recovery of metal values from super alloy scraps. Process scheme included: Acid Leach, Solvent Extraction of Co/Mo/Fe: Hydrolysis of Mo solution:
 - Electro-winning of Cobalt
 - Hydrolysis of Ni – Cr solution and back leach of the cake of separate Ni from Cr.
 - Pilot tests on Co/Mo/Fe Solvent Extraction
 - Analysis of Solutions and Solids for Plant Design
 - Environmental Effect on the shelf-life of Garri
 - Development of high Temperature refractories using locally available clays
 - Failures in Pressurized Vessels – the Benue Rotary kiln
 - Lubricant stability under Tropical climates
 - Optimization and Total Productivity Analysis – Benue Cement Company

STUDENTS/POSTGRADUATE PROJECTS

Undergraduate Projects:

- Extraction of Vegetable Oil using Centrifuge (groundnut oil extraction) (JE/697/85/86)
- DESIGN AND Construction of a Reactor/Separator for Solvent Extraction of Vegetable Oil (JE/710/85/86 & JE/943/86/87)
- Evaluation of Itakpe Iron-ore for Mineral Concentration Design (JE/399/84/86)
- Kinetic Studies of the Reduction Roast and Magnetically Separated Itakpe Iron-Ore (694/85/86)
- Pelletizing Characteristics of Reduction Roast Magnetically Separated Itakpe Iron-Ore (654/85/86).
- Design and Construction of Palletizing Drum
- Design and Construction of a Laboratory Size Ball Mill for Mineral Beneficiation.
- Design of Low Temperature Oven for Drying Temperature Sensitive Agricultural Products.
- Effect of Product Shapes on the Rate of Solid Carbonization of Spare Parts (RE/1946/90/91)
- Determination of CO₂ Gas Equivalent for the Decomposition of CaCO₃.
- Safety Awareness in Oil and Gas Industries: Case Study of Three Oil Producing Companies in Nigeria.
- Thermo-Physical Analysis of Cassava Processing: Baseline Data for Dying and Frying.
- Characterization of Some Nigerian Gypsum Ores for Mineral Beneficiation (426/84/85).
- Efficacy of Some Packaging Materials on the Storage Environment and Shelf-life of Fried Garri.

Postgraduate Diploma (PGD):

- Failures in Pressurized Vessels – A Case Study of Cracks in Benue Cement Company Rotary Klins (PGD/04/91).
- Underwater Weld Analysis (PGD/146/92).
- Safety Consciousness within Scientific, Engineering and Higher Educational Institutions (PGD/159/92).
- Investigation of the Causes of Leakage in Aluminum House-Hold Utensils: A Case Study of Aluminum Cooking Pots (PGD/484/95).
- Effect of Vibration on the Weld Characteristics of Steel.
- Application of Non-Destructive Testing Facilities at the Nigerian Airforce. Hanger (Makurdi) on Failed Automobile Parts (PGD/490/95).
- Effect of the Tropical Environments on Automotive and Industrial Oil Lubricants Stability (PGD/1244/2000).
- Design and Construction of a Multi-Purpose Farm Implement (PGD/057/91).

Master's in Engineering (M.Eng.):

- Optimization of Yield in Cement Processing Industries: A Case Study of Benue Cement Company Plc, Gboko (M.Eng./366/93).
- Optimization of Production Process in Quarry Plant (M.Eng./347/93).
- Productivity Evaluation and Analysis: A Case of Benue Cement Plc) (M.Eng./365/93).
- Total Productivity Analysis BCC Plc (M.Eng./153/92).
- Analysis of Particle Emission during Portland Cement Manufacturing and Design of an Improved Dust Control System (M.Eng./349/93).
- Multiple Linear Regression Approach to Urban Travel/Demand Forecasting (M.Eng./526/95).
- Roselle (Hibiscus sabdariffa L.) Leaf Extract as an Inhibitor of Mild Steel Corrosion in Natural Cooling Water (M.Eng./707/96).
- Measurement of Productivity of Benue Cement Company (BCC) Plc. (M.Eng./153/92).
- Alloying and Modification of the Structure of Al-Si System (M.Eng./960/98).
- Determination of the Suitability of Local Oils as Lubricants using Forging Techniques (M.Eng./530/95).
- Design and Development of a Sliced-Size Cassava Tubers Sorting Machine (10/PG/EG/ME/002). 2014.
- Development of Cassava Tuber Database for the Design and Production of a Cassava Peeling Machine. 2015.

Doctor of Philosophy (Ph.D.)

- Analysis of Foam-mat Drying of Mango Puree (Ph.D./348/93).
- Performance Capability Enhancement of Locally Available Clay Deposits for Function Specific Refractory Production (Ph.D./532/95).
- Simulation of Heat Transfer in Solidifying Casting in Sand Moulds (Ph.D/851/98).
- Analysis and Evaluation of Selected Natural Oils as alternative Lubricants (Ph.D/851/99) (Nominated as Best Thesis 2004, University of Agriculture, Makurdi).
- Development and Characterization of Long Bamboo Fibre-Reinforced Polymer Composites (LBFRPC) (10/PG/EG/ME/Ph.D/001). 2015.
- Analysis of On-Line Steam Cleaning of Gas Turbines in the Nigerian Oil and Gas Industry: A Case Study of Overhaul Cycle Life Extension of Gas Turbines. (09/PG/EG/ME/Ph.D/001). 2016.

In Progress

- Development of Cassava Peeling Machine (World Bank Step-B Project).
- Development of Bio-Extractor for cassava and domestic waste process (World Bank Step-B Project)

- Design of Multiphase Mixer/Extruder for Plasticised and High Pulp density Products.
- Design of Low Temperature Dryer for Temperature and Oxygen Sensitive Paste.
- Water Filter Development – Pore Size <math><100\mu\text{m}</math>.
- Mechanization of Garri and Starch Processing.
- Continuous Processing of Palm Fruits for Oil Products.
- Tropical Environment and Lubricant/Grease Performance.
- Development of High Temperature Refractory Bricks for Furnace Application.

PUBLICATIONS

(A) BOOKS – DISSERTATION AND THESIS

Ette, Aniedi O., "Recovery of Molybdenum from Super-Alloy Scraps and Waste Products", Department of Metallurgical Engineering, University of Arizona, Tucson, Arizona, 1980 (M.S. Thesis).

Ette, Aniedi O., "Ammoniacal Leaching of Synthetic Delafossite", with Special Reference to Its Recovery from Copper Reverberatory Flue Dust", Department of Metallurgical Engineering, University of Arizona, Tucson, Arizona, 1983 (Ph.D Dissertation). (Granted copyright status, published by and distributed by UMI, Ann Arbor, Michigan 1984).

(B) JOURNAL PAPERS

Raghavan, S. and A. Ette, "Characterization and Processing of Coal Fired Reverberatory Flue Dust" (Grants G5105012 and G51150542, University of Arizona). BuMines OFR 86-83, 56 pages, NTIS PB 83 – 197707.

Ette, A. O., "Steps Necessary to Achieve Indigenous Technology – The Only Assured Basis for Sound Industrial Development" Nigerian Journal for Technological Development, Vol. 1, No. 1, Pages 1 – 6, January 1988.

Ette, A. O., "Innovative Techniques in Hydrophobic Particulate Separation in the Food and Beverage Industries", Proceedings – CIGR Inter-Section Symposium in Nigeria on Rural Technology for Agricultural Growth in Developing Countries: NCAM, Ilorin, September 5 – 10, 1989, pages 372-380.

Ette, A. O., "Local Raw Materials for Nigerian Industries – Where Do We Begin?" Nigerian Journal for Technological Development, Vol. 1, No. 2, 1989.

Nnuka, E. and Ette, A., "Texture, Composition – Sensitive Structure and Mechanical Properties of Al-Cu and Al-Zn Alloy System", The Nigerian Engineer, Vol. 25, No. 1, January – March 1990, pages 23-30.

- Ibanga, E. J. and Ette, A. O., "Deep-Drawing Performance and Structure – Property Relations of Nigerian Mild Steel" NSE Technical Transactions, Vol. 29, No. 1, January – March 1994, pages 44-51.
- Ogo, D. U. I., Ette, A. O. and Iyorchir, A. I., "Feasibility of Sea and Coconut Shells as Substitute to Barium Carbonate (BaCO_3) in Small-Scale Foundry and Heat Treatment Shop in Nigeria" ISIJ International, Vol. 35, 1995, No. 22, pages 203 – 209.
- Hiskey, J. B. and Ette, A. O., "Kinetics of Aurocyanide Loading with an Anion Exchange Resin", Reinhardt Shulmann International Symposium on Innovative Technology and Reactor Design in Extraction Metallurgy, Editor Gaskell, D. R., Nov. 9 – 12, 1986, pages 295 – 310.
- Ette, A. O., Umoghaj, V. I. And Ogo, D. U. I., "On-Line Analysis of Phosphorus in Agro-Chemical and Mineral Processing Plants by Radiation Techniques." NSAE Proc. 1988, pages 167 – 177.
- Ette, A. O. Etuk, B. R., and Akpabio, E. J., Environmental Friendly Use of Natural Gas: Alternative Source of Fuel for Nigeria, NSChE Proc. Vol. 2, pp. 31 –38, 1999.
- Ette, A. O., and Robinson, D. J., "Tertiary Amine Extraction of Molybdenum from Acid Liquor Containing Nickel, Chromium, Cobalt and Iron." NSChE Proc. Vol. 30, pp. 250 – 262, Nov. 2000.
- Ogo, D. U. I. and Ette, A. O., "The Use of Selected Biomaterials as Energiser in Surface Hardening of Mild Steel", Transactions of the Nigerian Society of Engineers, Nigeria. Vol. 35-14, pp. 1-12, 2000.
- Ette, A. O., Amali, O., Kucha, E. I. and Ogo, D. U. I., "Production of a Portable System for Purification of Drinking Water." African Journal of Science & Tech., Vol. 1, pp. 1-6, 2000.
- Ogo, D. U. I. And Ette, A. O., "Kinetics of selected Materials in Surface Hardening of Spare Parts, NSE Technical Transactions, Vol. 36, No. 1, March 2001, pp. 26-39.
- Ette, A. O., E. J. Akpabio and B. R. Etuk, "Ensuring Effective Engineering and Technological Education in Nigeria: Role of Statistics", Proceedings, African Regional Conference on Engineering Education and Sub-Regional Workshop on New Engineering Curriculum, University of Lagos, September, 2002, pp. 139-144.
- Ogo, D. U. I., Ette, A. O. and Nnuka, E. E., "Production of an Alumino-Silicate Refractory Brick Similar in Characteristics to an Imported Refractory Brick using Linear Programming." Proc. MNS 2003, pp. 24-27.

- A. O. Ette, P. O. Umana and E. J. Akpabio, "Impact of Tropical Environment on Lubricant Manufacturing" Proc. 7th African-USA International Conference on Manufacturing Tech. Network of African Engineers and Scientists, pp. 433-439, 2004.
- Ogo, D.U.I. and Ette, A.O. , (The use of selected biomaterials as energizer in Surface Hardening of Mild Steel, Transactions of the Nigerian Society of Engineers, Nigeria. Vols. 35 – 14, pp.1 – 12 , 2000.
- D. U. I. Ogo and A. O. Ette, Kinetics of Selected Materials in Surface Hardening of Spare Parts, NSE Technical Transactions, Vol. 36, No. 1 , March 2001, pp 26 – 39.
- Ette, A. O., "The Dynamics of Vocational and Technical Education in a Democratic Nigeria", Keynote Address at the 4th Annual National Conference, School of Vocational and Technical Education, College of Education, Katsina-Ala, 21st – 25th May, 2001.
- Ette, A. O. , E. J. Akpabio and B. R. Etuk, " Ensuring Effective Engineering and Technological Education in Nigeria: Role of Statistics ", Proceedings, African Regional Conference on Engineering Education and Sub –Regional Workshop on New Engineering Curriculum, University of Lagos, September 2002, pp. 139 – 144 .
- Ogo, D. U. I., Ette, A. O. and Nnuka , E. E. , "Production of Alumino – Silicate Refractory Brick similar in Characteristics to an imported Refractory brick using Linear Programming." Proceedings MNS 2003, pp 24 – 27.
- A. O. Ette, P. O. Umana and E. J. Akpabio, "Impact of Tropical Environment on Lubricant Manufacturing." Proceedings 7th African US International Conference on Manufacturing Technology Network of African Engineers and Scientists, pp. 433 – 439, 2004.
- Aniedi O. Ette and Peter O. Umana, Design and Development of UniUyo Multifluidics Bench for Fluid Dynamic Studies, First Nigerian Universities Research and Development Fair, Abuja, 2004 [Outstanding Contribution Award Winner]
- Ette, A. O. and Ogo, D. U. I. , "The Role of Foundries in Agricultural Mechanization in Nigeria," Journal of Sustainable Tropical Agricultural Research, April, 2004.
- Nnuka , E. E. , Oseni, M. T. and Ette, A. O., " Evaluation of Tribometric Characteristics of Selected Natural Oils," Nigerian Journal Mechanical Engineering, University of Ado – Ekiti, Vol. 3.1 pp 1 -12, 2005.
- Oseni, M. I. , Nnuka, E. E., Ette, A. O. , " Rheological Behaviour of Selected Natural Oils as Alternative Lubricant," Journal of Metallurgical and Materials Engineering , Vol. 2 No. 1 , pp. 27 – 33, October, 2005.

Oseni , M. I. , Nnuka, E. E. and Ette, A. O. , "Evaluation of Chemo- Physical Properties of Selected Natural Oils Relevant to Lubrication," Nigerian Journal of Engineering , Research and Development, Vol. 5 No. 2, pp. 1 – 9, April – June , 2006.

Oseni, M. I., Ette, A. O. and Nnuka , E. E., "Comparative Analysis of the Rheology of Strait and Blended Oil Lubricants," Journal of Engineering and Applied Science, Vol. 2, pp. 83 – 88, August , 2006.

PATENT

Robinson, D. J. and Ette, A. O., "Separations and Recovery of Metal Alloys from Super-Alloy Scrap", U.S. Patent No. 4,442, 073, April 10, 1984.

Aniedi O. Ette, Tuber Peeling Machine and Process. Registration NG/PT/NC/2013.

BOOK CHAPTERS

(C) TECHNICAL REPORTS

Raghavan, S. and A. Ette, Characterization and Processing of Coal Fired Reverberatory Flue Dust (Grants G5105012 and G51150542, University of Arizona). BuMines OFR 86-83, 56 pages.

Ette, A. and Piorier, D. R., Dynamics of Two-Phase Flow in Bubble Column Floatation Units", Mining and Mineral Resources Research Institute for Department of Interior, U.S. Bureau of Mines, Washington, D.C., June 21, 1985, 21p.

Aniedi, O. Ette and Peter O. Umana, Design and Development of Uniuyo Multifluidics Bench for Fluid Dynamics Studies" First Nigerian Universities Research and Development Fair, Abuja, 2004.
[Outstanding Contribution Award Winner]

(D) CONFERENCE/SEMINAR PAPERS

Ette, A. and S. Raghavan "Ammonical Leaching of Synthetic Delafossite (CuFeO₂) with Special Reference to Copper Recovery from Reverberatory Flue Dust" Paper Presentation, AIME Annual Conference, Los Angeles, CA., February, 1984.

J. B. Hiskey and A. O. Ette, "Aurocyanide Extraction with PAZ #4" Paper Presented at the AIME Annual Conference, new Orleans, Louisiana, March 1986.

- Ette, A. O., "Indigenous Technology – The Only Assured Basis for Industrial Development" Presented at the 28th Annual Conference of Science Association of Nigeria, FUTU, Owerri, April 5, 9, 1987.
- Ette, A. O. "Local Raw Materials for Nigerian Industries – Where Do We Begin?" Paper Presented at the Second National Conference on Technology Development and Nigerian Industries" University of Ilorin, Nigeria, November 4 – 6, 1987.
- Ette, A. O., V. I. Umogbai, and D. U. I. Ogo. "Applications of Local Raw Materials to Solve Fine Particulate Separation Problems in the Food and Beverage Industries in Nigeria." Presented at the 29th Conference of Science Association of Nigeria, University of Calabar, May 1988.
- Umogbai, V. I., Ette A. O., "Injection Roller Planter Incorporated with L-Shaped Tillage Hoes for Planting Grains." Presented at the 29th Annual Conference of SAN, University of Calabar, May 8 – 12, 1988.
- Ette, A. O., "Innovative Techniques in Hydrophobic Particulate Separation in the Food and Beverage Industries", Presented at the CIGR Inter-Section Symposium in Nigeria on Rural Technology for Agricultural Growth in Developing Countries, NCAM, September 5 – 10, 1988.
- Ette, A. O., Umogbai, V. I. and D. U. I. Ogo,, "On-Line Analysis of Phosphorus in Agro-Chemical and Mineral Processing Plants by Radiation Techniques." Presented at the 12th Annual Conference of NSAE, National Centre for Agricultural Mechanization, NCAM, Ilorin, September 5 – 7 1988.
- D. U. I. Ogo and Ette, A. O., "Kinetics of Selected Agricultural Wastes in Surface Hardening of Spare Parts." Presented at the 33rd Annual Conference in SAN, University of Agriculture, Makurdi, March 22-26, 1992.
- Ette, A. O., "Itakpe Iron Ore: The Journey from Mine to Pellet." Presented at the 33rd Annual Conference of SAN, University of Agriculture, Makurdi, March 22-26, 1991.
- Ette, Aniedi O., "Productivity Challenges for the 3rd Worlds in a global Competitive Economy." Presented at the 3rd National Productivity Day Celebrations, Organised by the Federal Ministry of Labour and Productivity, Benue State, February 22, 2003.
- Oseni, M. I., Ette, A. O., "Prevention of Cement Kiln Failures: an Operator's Perspective." Symposium Proceedings, International Conference of Pipes and Pressure Vessels. Singapore, 1 – 2 February, 1996.
- Ette, A. O., and Ogo, D. I., "Extraction of Molybdenum with Alamine 336®: The Chemistry and Technology." The 19th Annual National Conference of the

Chemical Society of Nigeria, Hotel Presidential, Port Harcourt, 22nd – 25th September, 1996.

Ette, A. O., Oseni, M. I. and Ebeute, S. E., "Energy Utilization in the Cement Processing Industry: The Role of Government, Industry and Consumers." Habitat-Afrique 2000 Conference and exposition, ABU, Arewa House, Kaduna, June 28 to July 4, 1998.

Ette, A. O., Engineering for Harnessing Mineral Resources for Sustainable Industrialization, 42nd National Engineering Conference and AGM, The Nigerian Society of Engineers, Owerri, Nigeria 7th – 11th Dec. 2009.

"Competencies for Effective Leadership in Higher Education", ETL, Harvard, November 1– 3, 2016
Facilitator: Prof. Chukwumereije Okereke.

SCHEDULE OF DUTIES

Courses Taught

Undergraduate

| | | |
|----------|---|---|
| EME 202 | - | Engineering Thermodynamics I |
| EGS 201 | - | Engineers in Society |
| EME 204 | - | Engineering Thermodynamics II |
| EGS 401 | - | Technology and National Development |
| EME 503 | - | Engineering Management and Law I |
| EME 506 | - | Engineering Management and Law II |
| *MEE 313 | - | Metallurgy |
| MEE 212 | - | Engineering Materials |
| CHE 315 | - | Physical Chemistry for Chemical Engineers |
| *MEE 511 | - | Engineering Metallurgy |
| MEE 549 | - | Analysis of Capital Investment. |
| *MEE 523 | - | Materials Selection and Economics. |
| MEE 526 | - | Projects. |
| MEE 542 | - | Fundamentals of Nuclear Engineering. |
| MEE 544 | - | Manufacturing and Tools Engineering. |

Postgraduate

| | | |
|---------|---|---|
| EMD 603 | - | Applied Statistics I |
| EME 603 | - | Applied Statistics II |
| EME 624 | - | Numerical Analysis |
| EME 742 | - | Corrosion Engineering |
| EME 751 | - | Unit Operations in Materials Processing |

Postgraduates Supervised and graduated.

M.Sc. and Ph.D

Research

- Project Manager – World Bank’s Step-B Project (3 projects for Uniuyo Step-B)
- Research Grants Projects
- Students Projects at Mechanical Engineering Department.

OTHER RESPONSIBILITIES

- Deputy Vice-Chancellor (Administration) – Dec. 2008 – Date
- Oversight Functions
 - Supervision of
 - Student Affairs
 - Security Unit
 - General Administration (Business premises)
 - University Health Centre
- Chairman, Committee of Deans, University of Uyo – January 2007 – 2008.
- Dean, Faculty of Engineering – Dec. 2004 – 2008.
- Member, Senior Staff Disciplinary Committee, University of Uyo (2006 – date)
- Chairman, Committee on University Interrelations with Uyo Technology Incubation Centre, Uyo (October 2006 – date).
- Chairman, Committee on Water Supply Problems and Sinking of Boreholes in the University (February 2006).
- Faculty of Engineering Representative, Postgraduate School Board (2003-2004)
- Chairman, Senate Examination Regulations and Malpractices Committee (2001-2002)
- HOD, Mechanical Engineering department (2000-2002)
- Member of Senate, College of Engineering Representative (1993-1998)
- Hall Warden (Hostel Block B) (1988-1997)
- Member, Central Time Table Committee (1990-1996)
- Student Disciplinary Committee (1989-1999)
- Member, Task Force on Vehicle Refurbishing (1992-1995)
- Chairman, College Committee on Student Report Card/Class Standing (1994)
- Member, University Security Committee (1988-1997)
- Member, University Research Grant Committee (1986-1997)
- Member, University Research Board, Senate Representative (1994-2002)
- Member, Senate Curriculum Committee, College Representative (1994-1996)
- Serve in many Ad Hoc Department, College and University Panel/Committees
- PG Co-ordinator, Mechanical Engineering Department 91992-1998)
- Acting for Dean of Student Affairs from time to time
- Member/Consultant, University of Uyo Consultancy Services, Environmental Impact Group (Dec. 1998 – Sept. 1999)
- Consultant, Raw Materials Research and Development Council (RMRDC) (1988-date)

- LOC Chairman, 33rd Annual Conference of Science Association of Nigeria (1992)
- Member, College Committee on Production of Calendar of events (1992-1993)
- Member, Senate Ad Hoc Committee on Admission Requirements into various Degree Programmes of the University (1992)
- College Representative on Library Book Selection Committee (1991)
- Chairman, College Committee on Scholarship Awards and Prizes (1991)
- Chairman, College Committee on Postgraduate Programmes (1990)
- Chairman, College Admissions Ad Hoc Committee (1990)
- Developed Research Programmes/Plans of the College and was appointed a Commodity Group Leader (1990-2002)
- Chairman, University of Uyo Negotiation Team with Zinox Technologies Ltd. for the MOU on Digital Centre Development (2007-2008).
- Member, University Research Committee (2007 to date)

SERVICE TO THE PUBLIC

Review of Articles for Journals

- Nigerian Journal for Mining and Geology
- The Spectrum, Kaduna Polytechnic
- Journal of Agriculture, Science and Technology, UAM, Makurdi
- Global Journal of Pure and Applied Sciences, Unical, Calabar

External Examinations

- Nnamdi Azikiwe University, Awka, anambra State
- Kaduna Polytechnic (OND/HND) Mechanical Engineering Department
- Benue State Polytechnic, Ugbokolo
- Michael Opara University of Agriculture, Umudike
- Cross River State University of Science And Technology, Calabar

Engineering Programme Accreditation

Member of COREN Accreditation Panel to the Faculty of Engineering, OAU, Ile-Ife.

Member of COREN Accreditation Panel to the Faculty of Engineering, University of Ilorin

Member of COREN Accreditation Panel to the Faculty of Engineering, Ado Ekiti State University.

Member of NUC Accreditation Panel to the Faculty of Engineering, Niger Delta University, Wilberforce Island.

Member of NUC Verification Panel, Postgraduate Programmes, Nnamdi Azikiwe University, Awka.

Member, NUC Verification Panel, Landmark University , Omu Aran, Kwara State

CONTRIBUTIONS IN SERVICE

- DVC (Admin) – Acting for VC (1st 10 days in Office) and from time to time.
- Convocation – Chairman, Planning Committee (2009 & 2010)
- Furnishing of Elf Lecturer Theatre (Main Campus)
- Project Manager, STEP-B Project
- Civil Engineering Equipment Importation
- Linkage Programmes and Signing of MoU
 - University of Norway – Petroleum Engineering
 - Southern University A&M, Baton Rouge, USA
 - Portsmouth University, UK
 - GRI Energy Resources Inc. Texas
 - Zonal centre for Intellectual Property and Technology Transfer Office (IPTTO), University of Uyo
 - Foundry/Rotary Furnace Provision by NASIMA
 - National Technology Incubation Centre, Federal Ministry of Science and Technology (Uyo TIC) and the University of Uyo
 - Water Availability at the University of Uyo Campuses – Chairman of Committee to Advise the VC.
 - Donation of Books (over 15,000 volumes) by Dr. Spencer Onuh, Portsmouth University, UK.
 - Zinox ICT Centre MoU between Zinox Computers Technology Inc and University of Uyo, Uyo.
- Technology Development
 - Software for students' Result computation
Department of Electrical/Electronics and Computer Engineering, Faculty of Engineering.
 - Software and In-house Capacity Development for Post-UME Screening of Students for Admission into the University of Uyo. Potential for adoption of technology in examinations where objective questions (OMR) are used.
 - Design and production of classroom seats for the University – Department of Mechanical Engineering.

Professor A. O. Ette

June, 2018