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# MOSOBALAJE, OLATUNDE OLU

## CONTACT DETAILS

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Contact Address: 7, Olusoji Street, Off Afariogun Street, Orile-Oshodi, Oshodi Lagos State

## OBJECTIVES

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- To be incorporated into the critical mass of industry-driven scientific research.
- To add value to an educational/academic workspace via innovative, purpose-driven instructional methods

## EDUCATION

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| <u>Period</u>         | <u>Qualification</u>  | <u>Institution</u>   |
|-----------------------|---|--|
| June 2010 - Dec. 2011 | M. Sc (Petroleum Engineering)<br>(Grade Point: 3.63/4.0)        | African University of Science<br>Technology, Abuja, Nigeria    |
| March 2000-Dec. 2005  | B. Tech (Chemical Engineering)<br>Second Class (Upper Division) | Ladoke Akintola University of<br>Technology, Ogbomoso, Nigeria |

## PUBLICATIONS

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- *Journal Publications and Conference Proceedings:*
  - **Mosobalaje, O. O., Orodu, O. D. and Ogbe, D.** 2018. Descriptive Statistics and Probability Distributions of Volumetric Parameters of a Nigerian Heavy Oil and Bitumen Deposit. *Journal of Petroleum Exploration and Production Technology* (Springer). Available Online: <https://doi.org/10.1007/s13202-018-0498-4>
  - **Mosobalaje, O. O., Onuh, C. Y. and Seteyeobot, I.** 2015. A New Solution Methodology to the Material Balance Equation, for Saturated Reservoirs. Paper SPE 178392 presented at the SPE Nigerian Annual International Conference and Exhibition, Lagos, 4 – 6 August. Available online: <https://doi.org/10.2118/178392-MS>
  - **Mosobalaje, O. O. and Tiab, D.** 2014. Theories of Arps' Decline Curve Exponent and Loss Ratio, for Saturated Reservoirs. Paper SPE-172128-MS presented at the Abu Dhabi International Petroleum Exhibition and Conference, Abu Dhabi, 10 – 13, November. Available online: <http://dx.doi.org/10.2118/172128-MS>
  - **Mosobalaje, O. O., Orodu, O. D. and Tiab, D.** 2014. New Techniques for Estimating Properties of Saturated Reservoirs, using Readily-Available Rate Decline Data. *Journal of Petroleum Science and Engineering* (Elsevier). Available Online: <http://dx.doi.org/10.1016/j.petrol.2014.06.023>
  - **Mosobalaje, O. O. and Tiab, D.** 2014. New Techniques for Estimating Solution-gas Reservoir Properties using Production Data. Paper SPE 172413 presented at the SPE Nigerian Annual International Conference and Exhibition, Lagos, 5 – 7 August. Available online: <http://dx.doi.org/10.2118/172413-MS>
  - **Mosobalaje, O. and Tiab, D.** 2013 A New Theory for Interpreting Rate Decline Trends in Solution-Gas Drive Reservoirs. *Canadian Energy Technology and Innovation Journal*, 1(2): pp 58 - 68
  - **Obanijesu, E. O. and Mosobalaje, O. O.** 2008. Concentration Profile Simulation of Natural Gas Accidental Release from a Submerged Offshore Pipeline. *NAFTA, Croatia*, 59(9): pp 419 – 428
- *Unpublished Works:*
  - “Theoretical Justifications for Rate Decline Trends in Solution-gas Drive Reservoirs, and Reservoir Properties Estimation using Production Data,” M.Sc Thesis, AUST, Abuja, December, 2011.
  - “Modeling and Simulations of Natural Gas Leakages in Underwater Pipelines,” B.Tech Project,

### **CURRENT RESEARCH INTERESTS**

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Classical Reservoir Engineering; Material Balance Equation; Solution-gas Drive Mechanism; Theories of Production Rate Decline Analysis; Reservoir Fluid-Formation Dynamic Interactions; Capillary Pressure and Relative Permeability Models and Enhanced Oil Recovery (EOR) Methods.

### **CONFERENCES ATTENDED**

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- 2015 SPE Nigerian Annual International Conference and Exhibition, Lagos, 5 – 7 August.
- 2014 SPE Nigerian Annual International Conference and Exhibition, Lagos, 5 – 7 August.
- 2nd Annual International Education Conference, ICC, Abuja, 31 Oct. – 4 Nov. 2011
- Nigerian Oil and Gas Conference and Exhibition, ICC, Abuja, 21 – 24 Feb. 2011

### **PROFESSIONAL MEMBERSHIP**

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Society of Petroleum Engineers (SPE International). Membership Number: 3495171

**Responsibility:** Chairman, “Catch Them Young” Committee, SPE AUST Chapter, 2010/2011.

### **SUBJECTS STUDIED AT GRADUATE SCHOOL**

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- Petroleum Geology
- Rock Properties and Well Logging
- Reservoir Engineering and Fluids
- Advanced Reservoir Engineering
- Advanced Production Engineering
- Advanced Drilling Engineering
- Multiphase Flow in Pipes
- Petroleum Economics
- Non-Newtonian Fluid Mechanics
- Enhanced Recovery Methods
- Applied Reservoir Simulation
- Well Test Analysis
- Advanced Natural Gas Engineering
- Horizontal Well Technology

### **COMPUTER PROFICIENCY**

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- **Technical Computing and Programming:** MATLAB and R Studio
- **Geostatistical Reservoir Modelling:** GSLIB90; WinGSLIB; SGeMS; gstat; ArcGIS Pro Geostatistical Analyst
- **Petroleum Reservoir Simulation:** ECLIPSE 100, SENSOR 6K
- **Electronic Presentation:** MS PowerPoint 2007
- **Data Analysis and Presentation:** MS Excel 2007

### **KEY SKILLS**

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- Project Management skill. I have applied this to some personal projects
- Analytical approach to problem solving. This skill came to bare on my MS thesis execution.
- Good oral and written communication skills. My teaching assignments conferred these on me.
- Excellent inter-personal relationship and team spirit.
- Energetic and resilient. I completed my MS thesis within a very short while after an initial delay

### **WORK EXPERIENCE**

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February 2015 Till Date

**Lecturer II:** Covenant University, Canaanland, Ota, Nigeria

Supervising undergraduate research projects

Developing and delivering course contents under the supervision of a senior lecturer.

Designing and conducting assessments schemes for classes.

Keeping records of students' participation, attendance and results.

Offering specific attention to students with low capability

February 2013 – February 2015

**Assistant Lecturer:** Covenant University, Canaanland, Ota, Nigeria

Developing and delivering course contents under the supervision of a senior lecturer.

Designing and conducting assessments schemes for classes.

Keeping records of students' participation, attendance and results.

Offering specific attention to students with low capability

August 2007 – June 2010

**Lubricant Sales Engineer:** Fudia Petrochem Limited, Plot 3, Aswani Rd, Isolo, Lagos State

Implementation of Lubricants Sales Plan

Development and presentation of tailored proposal packages for prospective customers.

Facilitating the provision of high-level after-sales technical services (used-oil analysis) to customers

## PERSONAL DETAILS

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Date of Birth: 11th July, 1980

Gender: Male

Marital Status: Married

## REFERENCES

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Center for Energy Studies  
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