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# AYENI, Gboyega O.

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**Date of Birth** 14<sup>th</sup> April 1980

**Research &  
Professional  
Experience**

- |   |                              |
|---|------------------------------|
| <u>STANFORD EXPLORATION PROJECT, CA, US</u><br><b>Research Assistant</b> <ul style="list-style-type: none"><li>Time-lapse seismic imaging by inversion</li></ul>  | <u>SEPT. 2006 - DATE</u>     |
| <u>SHELL INTERNATIONAL EXPLORATION AND PRODUCTION CO, TX, US</u><br><b>Geophysicist (Intern)</b> <ul style="list-style-type: none"><li>Seismic monitoring technology: Optimized local matching</li></ul>  | <u>JUNE - SEPTEMBER 2008</u> |
| <u>SCHLUMBERGER WESTERNGECO, HOUSTON, TX, US</u><br><b>Geophysicist (Intern)</b> <ul style="list-style-type: none"><li>Seismic acquisition/imaging with simultaneous sources</li></ul>  | <u>JUNE - SEPTEMBER 2007</u> |
| <u>DGB EARTH SCIENCES, ENSCHEDE, THE NETHERLANDS</u><br><b>Geoscientist (Intern)</b> <ul style="list-style-type: none"><li>Reservoir characterization using pseudo wells.</li></ul>   | <u>MAY -AUGUST 2006</u>      |
| <u>AMNI INTERNATION PETROLEUM DEV. CO., PORT-HARCOURT, NIGERIA</u><br><b>Production/Operations Engineer (Intern)</b> <ul style="list-style-type: none"><li>Production monitoring, forecasting and optimization on LANGLEY EPF (IMA field) &amp; FDP (SETU &amp; OKORO fields) offshore Niger Delta.</li></ul> | <u>SEPT. 2002-JUNE 2003</u>  |
| <u>AMNI INTERNATION PETROLEUM DEV. CO., PORT-HARCOURT, NIGERIA</u><br><b>Trainee Operations Engineer (Intern)</b> <ul style="list-style-type: none"><li>Trainee in production, export and logistic operations. Ag. Terminal Rep. on FSO Ailsa Craig (a 1-million bbl FSO, offshore Niger Delta)</li></ul>     | <u>JUNE - SEPT. 2001</u>     |
| <u>DYS TROCCA &amp; VALSESIA, LAGOS, NIGERIA</u><br><b>Trainee Field Engineer (Intern)</b> <ul style="list-style-type: none"><li>Construction of large scale drainage systems and level bridges (part of a World Bank-sponsored environmental project) in parts of Lagos, Nigeria.</li></ul>                  | <u>DEC. 1998-MARCH 1999</u>  |

**Education**

- GRADUATE**
- |  |                  |
|--|------------------|
| <u>STANFORD UNIVERSITY, CA, U.S.</u><br><b>Phd., <u>Geophysics</u></b>                           | <u>(IN VIEW)</u> |
| <u>STANFORD UNIVERSITY, CA, U.S.</u><br><b>MS, <u>Geophysics</u> [GPA: 3.97/4.00]</b>            | <u>2008</u>      |
| <u>LEEDS UNIVERSITY, LEEDS, U.K.</u><br><b>M.Sc, <u>Exploration Geophysics</u> [Distinction]</b> | <u>2006</u>      |
- UNDERGRADUATE**
- |   |             |
|---|-------------|
| <u>OBAFEMI AWOLowo UNIVERSITY, NIGERIA</u><br><b>B.Sc. (Hons), <u>Applied Geophysics</u> [First Class Honors]</b> | <u>2004</u> |
|---|-------------|

**Education  
(contd.)**

<u>FEDERAL UNIV. OF TECHNOLOGY AKURE, NIGERIA</u>	<u>2000</u>
<b>First Year, <u>Physics Electronics</u> [First Class-Transferred]</b>	
<u>YABA COLLEGE OF TECHNOLOGY, NIGERIA</u>	<u>1999</u>
<b>National Diploma, <u>Civil Engineering</u></b>	

**Theses**

<u>STANFORD UNIVERSITY (2010/11)</u>
Time-lapse seismic imaging by inversion (Doctorate)
<u>UNIVERSITY OF LEEDS (2006)</u>
The Hit Cube: a stochastic pseudo well matching tool for seismic prediction of rock and fluid properties (Masters)
<u>OBAFEMI AWOLowo UNIVERSITY, NIGERIA (2004)</u>
An inversion software for interpretation of Schlumberger resistivity sounding data (Bachelors).

**Publications &  
Conference  
Proceedings**

- Ayeni, G. and Biondo, B., 2009, *Joint linearized wave-equation inversion of time-lapse seismic data*. (Submitted to Geophysics).
- Ayeni, G., Huck, A., and de Groot, P., 2008, *Extending reservoir property prediction with pseudo-wells*. First Break, vol. 26, 57-62.
- Biondi, B., Valenciano, V., and Ayeni, G., 2008, *High-resolution reservoir imaging and monitoring by regularized inversion*. SIAM Conference on Imaging Science.
- Ayeni, G.O. and Huck, A., 2007, *The Hit Cube: a stochastic pseudo well matching tool for seismic prediction of rock and fluid properties*. Proceedings of the AAPG Annual Convention and Exhibition.
- Ayeni, G.O., Huck, A., and de Groot, P., 2007, *The Hit Cube: Matching Monte Carlo simulated pseudo-wells to seismic data for predictions with uncertainties*. Proceedings of the EAGE Annual Conference & Exhibition.
- Ayeni G.O., 2006, *An Inversion Software for Interpretation of Schlumberger Resistivity Sounding Data*. Presented at the 68th EAGE Annual Meeting (Students' Forum).
- Ayeni G.O., and Olorunfemi, M.O., 2004, *An Inversion Software (GOA\_RES 1.0) for Interpretation of Schlumberger Resistivity Sounding Data*. Proceedings of the NAPE/AAPG Deepwater Conference.

**Honors,  
Awards,  
Grants &  
Prizes**

- ✚ SEG WesternGeco Scholarship, 2008-2009
- ✚ CEES/RPSEA Fellowship, Stanford University, 2008
- ✚ SEG/EAGE Thomsen/BP "US" Scholarship, 2007-2008
- ✚ EAGE Student Travel Grant, EAGE, 2007
- ✚ Shell Foundation Travel Grant, Stanford University, 2007
- ✚ Earth Science Graduate Fellowship, Stanford University, 2006-Date
- ✚ Shell Centenary/University of Leeds Scholarship, 2005-2006
- ✚ GETECH Prize, University of Leeds, 2006.
- ✚ ExxonMobil/NNPC/NMGS Award, Nigeria, 2005.
- ✚ West African Portland Cement Prize in Geology, OAU, 2004
- ✚ Ilse Koppe Prize in Seismology, OAU, 2004
- ✚ Olufisayo Ekundayo Prize in Geology, OAU, 2004
- ✚ Olaniyi Olumide Prize in Applied Geophysics, OAU, 2004
- ✚ Adekunle Soroye Prize in Seismic Methods of Prospecting, OAU, 2004

**Professional Memberships**

Society of Exploration Geophysicists (SEG)  
 American Association of Petroleum Geologists (AAPG)  
 American Geophysical Union (AGU)  
 Society of Petroleum Engineers (SPE)  
 European Association of Geoscientists and Engineers (EAGE)  
 London Petrophysical Society (LPS)  
 Nigerian Mining and Geosciences Society (NMGS)  
 Nigerian Association of Petroleum Explorationists (NAPE).

**Professional & Other Activities**

**POSTGRADUATE ACADEMIC REP. [ENVIRONMENT]:** Faculty Learning and Teaching Committee, University of Leeds, [2005-2006]

**PRESIDENT:** Society of Exploration Geophysicists (SEG) Student Chapter, Obafemi Awolowo University [2002-2004]

**GENERAL SECRETARY:** Society of Exploration Geophysicists (SEG) Student Chapter, Obafemi Awolowo University [2001-2002]

**GENERAL SECRETARY:** Nigerian Mining and Geosciences Society (NMGS) Student Chapter, Obafemi Awolowo University [2002-2004]

**GENERAL SECRETARY:** Nigerian Association of Petroleum Explorationists (NAPE) Student Chapter, Obafemi Awolowo University [2002-2004]

**EDITOR-IN-CHIEF:** Nigerian Mining and Geosciences Society (NMGS) Student Chapter, Obafemi Awolowo University [2001-2002]

**Interests & Skills**

**EXPLORATION SEISMOLOGY**

- Seismic Imaging & Inversion; Reservoir characterization and monitoring
- Geophysical Programming

**COMPUTER PROGRAMMING**

- Artificial Intelligence (Evolutionary Programming, Genetic Algorithms)
- FORTRAN & C++ in UNIX/LINUX and Windows Environments.

**PLUSES:**

- Seismic Processing (SEPlib, Madagascar, Promax™)
- Seismic Interpretation (KINGDOM Suite™)
- Numerical Analysis (Matlab™, Octave)

**Hobbies**

Computers, soccer, food.

**Referees**

Prof. Biondo Biondi [[biondo@farne.stanford.edu](mailto:biondo@farne.stanford.edu)]  
 Director, Stanford Exploration Project,  
 Stanford University, CA 94305. U.S.

Dr. Roger Clark [[roger@earth.leeds.ac.uk](mailto:roger@earth.leeds.ac.uk)],  
 Programme Director: MSc Exploration Geophysics,  
 University of Leeds, LS2 9JT, U.K

Mr. Wasiu Odufisan [[wasiu.b.odufisan@exxonmobil.com](mailto:wasiu.b.odufisan@exxonmobil.com)]  
 ExxonMobil,  
 Lagos, Nigeria.