**CURRICULUM VITAE JOHN GERALD ODHIAMBO**

**PERSONAL INFORMATION**

NAME JOHN GERALD ODHIAMBO ODUMBA

PERMANENT ADDRESS: P.O BOX 62000-00200, Nairobi, Kenya

Tel. 0708816363/0786124609 (Cell)

067-52711 Ext. 3340 (Office)

Email: leoinlaw@gmail.com, geraldjo@jkuat.ac.ke

DATE OF BIRTH 8th June 1982

SEX Male

MARITAL STATUS Married

PROFESSION Mechanical Engineer/Marine Engineer

NATIONALITY Kenyan

LANGUAGE English, Kiswahili, Dholuo &Chinese (Mandarin)

RELIGION Christian

CURRENT EMPLOYER Jomo Kenyatta university of Agriculture and Technology Department of Mechanical Engineering-Marine Engineering and Maritime Operation

P.O BOX 62000-00200, Nairobi, Kenya

OBJECTIVE STATEMENT

* To put to effective and efficient use my professional skills in the work environment, the bottom line being advancement and high level achievement of desired results and using the available opportunities to learn.
* To excel in the field of Engineering Science and Technology through participation research and experimentation.
* To selflessly serve my country men and women in the opportunities I get.

# EDUCATIONAL BACKGROUND

SHANGHAI MARITIME UNIVERSITY, CHINA

{LINGANG CAMPUS} –September 2012 -June 2014

PhD in Marine Engineering- September 2017- To Date (In progress)

SHANGHAI MARITIME UNIVERSITY, CHINA

{LINGANG CAMPUS} –September 2012 -June 2014

Pursued: Masters of Engineering in Marine Engineering

Area of specialization: Ship Building, Marine Materials and Environment Management, Repair & Maintenance of Marine machinery, Engines, Automation and Simulation SHANGHAI MARITIME UNIVERSITY, CHINA

{MINSHENG RD CAMPUS} –September 2011 –September 2012

Chinese Language (Mandarin) – 汉语水平考试**-**四级 Hanyu Shuiping Kaoshi (HSK)

Level 4

Diploma in Chinese Language

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

{JUJA CAMPUS} -2004 August-April 2009

**Pursued**: Bachelors of Science Degree-Mechanical Engineering -**2nd Class Upper Division**

# SKILLS ACQUIRED

* Excellent knowledge of Mechanical Engineering and Automotive, their relevance and application in interrelated fields
* Planning and organizational skills
* strong research and analytical skills and report writing and presentation skills
* Problem solving, team building and teamwork techniques and motivational approaches to people management.
* Improved information technology skill
* Leadership and social skills

MANG’U HIGH SCHOOL

**Pursued:** Kenya Certificate of Secondary Education-{KCSE} 1999-2002-**A-(minus)**

# SKILLS ACQUIRED

* Strong and inspiring foundation towards higher learning
* Teamwork, good and organized approach to tasks
* Information dissemination and sharing techniques-from academic discussion groups and symposia
* Leadership skills-from being Young Christian Student official(music coordinator)
* Social skills-participating in sports(football and athletics)

NYABONDO BOYS’ BOARDING PRIMARY SCHOOL

**Pursued:** Kenya Certificate of Primary Education (KCPE) 1990-1998-**A**

# GRANTS/ SCHOLARSHIPS

1. 2011-2012: Jomo Kenyatta University of Agriculture and Technology (JKUAT)Scholarship for Chinese Language and HSK level 4, Diploma at Shanghai Maritime University
2. 2012-2014: Shanghai Municipal Government Scholarship A- Scholarship for tuition and research for the Master in engineering degree at SMU, Shanghai Maritime University (No. SH2012HSA016)

# PROFESSIONAL AFFILIATIONS

1. Registered graduate engineer with Engineers Boards of Kenya
2. A registered member of Non-Destructive Testing Society of Kenya (NDTK)

# OTHER PROFESSIONAL TRAINING

**July 2015: STCW MANDATORY COURSES**

* Personal safety and social responsibilities
* Personal survival techniques
* Fire prevention and fire fighting
* Elementary first aid.
* Security Awareness Module.

**June 2010: ASNT LEVEL II COURSES**

* Radio graphic testing.
* Magnetic particle testing.
* Ultrasonic testing.
* Penetrant testing.
* Visual testing.
* Radiographic film interpretation.

# WORKING EXPERIENCE

**August 2014 to date: Assistant Lecturer**

**Duties:**

* Currently in charge of departmental web coordination and Examination coordination.
* Currently teaching: Introduction to Material science, Workshop processes and Practice III and Marine Engineering Design I- January 2015- April 2015
* Units Taught September 2014-December 2014 : Marine structural design I, Marine Engineering design II ( fourth years) and Power Supply in Ships.( fifth year)
* Involved in the development of Bsc. Marine Engineering syllabus and Naval Architecture & Ocean Engineering.

**December 2010 to August 2014:** Teaching Assistant and MEng. Student at Shanghai Maritime University, China

Main Research Area: Marine Materials- Corrosion behavior of DSS (2205) in Deep Sea water environment.

**August 2009 to December 2010: Quality Inspectors Ltd-**QC Assistant Engineer,

NDTK representative and Training Coordinator  **Areas exposed to**:

* Has been involved in Technical bid and tender documents preparation
* Has been involved in installation of BTS 3900/3900A,powering , alarm testing and commissioning of the system( Safaricom single run project)
* Has been involved in pipeline Radiography weld Inspection for Geothermal Steam Field Development at Olkaria 2 unit III of pipes sizes 50-1200 mm in diameter and Boiler Installation at Butali Sugar Mills Ltd
* Has been involved in penstock Radiography & Ultrasonic weld Inspection for Tana Power Station Redevelopment Project.
* Underwent level II training in RT,UT,PT,VT&MT and Interpretation and got Level II certificate in RT
* Has been involved in Building Integrity Inspection during the Modernization and Refurbishment of the Debating Chamber-Kenya National Assembly using various NDT methods
* Coordinated training of KenGen Staff in two courses i.e. NDT for Engineers and NDT methods (RT,UT,MT,VT & PT)

**June 3rd 2008-August 27th 2008:** Industrial Attachment at H YOUNG & CO (EA) LTD  **Areas exposed during the period were:**

* Production office-Material Requisition and Planning department and Project engineers department
* Production floor-Machine shop, metal forming section, Welding, Assembly and Surface Protection and Painting section.
* Maintenance department
* Quality Control & Quality Assurance Department
* Drawing and Design Department

**June12th 2007-August 3rd 2007** Industrial Attachment at MINISTRY OF ROADS AND PUBLIC WORKS-Chief Mechanical and Transport Engineer, Head Office  **Areas exposed during the period were:**

* Engine overhaul, repair and Maintenance of transmission system, Hydraulic Works and Undercarriages in heavy plant
* Repair and Maintenance of Light , Heavy Commercial Vehicles and Heavy plants Machine operations i.e. .milling, drilling, bending shearing and lathe turnings.
* Repair of fuel injection pumps, Alternator and Starter motors
* Welding i.e. arc and gas welding

**May 2006 -June 2006**: Internal attachment at JKUAT.

**Trained in:** Machine handling, Welding, Fabrication, Building and Construction, Electrical Installation, molding, casting, and Sheet metalwork

**Jan.2003 - August 2004 and May 2005-August 2005**

Teaching at Nyabondo Boys’ Boarding Primary School: Teaching Mathematics, Science, and English also involved in Counseling and training music and poems

**Publications**

1. John Gerald Odhiambo \*, Li Zhang, Tao Liu, Li Hua Dong, Yan Shen Yin “**Corrosion Behavior of Duplex Stainless Steels (2205) in Seawater in the Presence of Deep Sea Bacteria**” *Applied Mechanics and Materials (Volumes*

*513 - 517) and 2nd International Conference on Material Engineering and Mechanical Engineering (MEME 2013) at Taiyuan, China*

1. John Gerald Odhiambo1a, Li Zhang 2b, Shen Yuanyuan2, E. Musango Munyao1, Lihua Dong2 **“Pitting Corrosion Behavior of Duplex Stainless Steel (2205) in Thiosulfate-chloride Environment and in Simulated Hydrothermal Reactor /autoclave”** *Proceedings of the Sustainable Research and Innovation (SRI) Conference 6 - 8 May, 2015*

**Engineering projects**

1. Corrosion Behaviour of Duplex Stainless Steel (2205) in Deep Seawater

Environment (双相不锈钢-2205 在深海环境下腐蚀行为研究) – **Thesis dissertation**

1. Conditioned Based Monitoring and Maintenance in the Ship.
2. Design and fabrication of a miniature Towing Tank for use in teaching and demonstration purposes in JKUAT
3. Aluminum Silicon Copper Application in Small Marine Vessels.
4. Fabrication of Aluminum Silicon Carbide Composites for application in Small and High Speed Vessels. (In ***Progress- JICA Funded***).
5. Improving comminution for Artisanal and Small scale miners in Kenya (Case Study- Migori and Kakamega regions in Western Kenya. In progress- ***JKUAT RPE funded*.)**
6. Design and modelling of a stable room for use by seafarers during rough weather.( In progress)
7. Design and fabrication of airboats to be used in flood prone areas.( In progress)

# CO-CURRICULUM ACTIVITIES

1. Sports –Soccer, athletics, swimming and scrabble
2. Boat rowing- A team member and 1st row member at dragon boat competition.

# REFEREES

1. Dr. Hiram Ndiritu

Senior Lecturer, Mechanical Department

Dean, School of Mechanical, Manufacturing and Materials Engineering

JKUAT

P.O Box 62000-00200

Nairobi

Email: hndiritu@eng.jkuat.ac.ke

1. Dr. Robert Kiplimo

Senior Lecturer, Mechanical Department

Chairman Marine Engineering and Maritime Operations

JKUAT

P.O Box 62000-00200

Nairobi

Email: kiprob@eng.jkuat.ac.ke

1. Prof. Dong Lihua

Professor and Dean, Institute of Marine Materials Science and Engineering

Shanghai Maritime University

Email: zhangli@shmtu.edu.cn

1. Dr. ZhangLi

Ass Prof and Assistant Dean, Institute of Marine Materials Science and Engineering

Shanghai Maritime University; Email: lhdong@shmtu.edu.cn