

CURRICULUM VITAE

BIO DATA

Name : Erick Wasonga Maklago
Sex : Male
Date of Birth : 06-04-1989 (dd-mm-yyyy)
Nationality : Kenyan
National ID/No. : 27113890
Religion : Christianity
Marital Status : Single
Email : erickmcjnr@gmail.com
Alternative email : erickjasuba@gmail.com
Phone Number : +254712118454/+254736255730
Languages : English & Kiswahili

Career Objective

To be resourceful person in any assigned area of jurisdiction. I endeavor to work diligently, incorporating aspects of teamwork, creativity, discipline and trust, thus upholding the esteem of my work environment. I also endeavor to utilize my profession for the benefit of humanity both within and without the boundaries of our nation.

EDUCATIONAL BACKGROUND

Duration : Feb 2018 to date
Institution : KEPCO International Nuclear Graduate School (KINGS) – S. Korea
Course : MSc. Nuclear Power Plant Engineering
[Expected completion date: 4th Feb. 2019]

Duration : June 2017 to date
Institution : Kenya Institute of Supplies Management (KISM)
Course : Certified Procurement & Supplies Professional (CPSP)
[Completed Level 1]

Duration : August 2015 to date
Institution : Jomo Kenyatta University of Agriculture & Technology (JKUAT)
Course : MSc. Mechanical Engineering (Design & Production Option)

Duration : 2009 to 5th Dec. 2014
Institution : Egerton University
Course : BSc (Manufacturing Engineering & Technology)
Qualification : First Class Honours

Duration : 2004 - 2007
Institution : Mbita High School
Certificate : Attained KCSE [Mean Grade: A-]

Duration : 1994 - 2003
Institution : MPIS
Certificate : Attained KCPE [Mean 382/500 marks]

WORK EXPERIENCE

Duration : 10th July 2015 to date
Institution : National Construction Authority (NCA – Kenya)
Position : Research Officer I
Duties : Carrying out research in matters affecting the construction industry
: Offering advisory services to the management and Directors
: Conducting consultancy assignments as ordered by management

Duration : May 2015 to August 2015
Institution : National Housing Corporation, EPS Factory
Position : Intern
Duties : Operating factory machines to achieve set production targets
: Conducting both breakdown and preventive maintenance operations to the factory's machines and equipment
: Carrying out both visual and quality dimensional checks on the factory products

Duration : June – August 2013
Institution : Chemelil Sugar Factory
Position : Intern
Duties : Cane Inspection
: Workshop & factory equipment operations
: Breakdown & preventive maintenance of factory equipment

Duration : June – August 2012
Institution : Egerton University
Position : Internal Attachment Student (attached to Departments of: Agricultural Engineering, Electrical & Control Engineering, Water & Environmental Engineering, and Industrial & Energy Engineering).

LEADERSHIP ACHIEVEMENTS

Duration : April 2018 – May 2019
Institution : KEPCO International Nuclear Graduate School, KINGS (S. Korea)
Position : President of University Students' Union Council
Duties : Management of student budget
: Representation of students in any administrative matters
: Chairing of students council meetings
: Serving as link between the university administration and students

Duration : August 2009 to June 2014
Institution : Egerton University
Position : Ass. Class Representative [2009 Manufacturing Engineering Class]

Duration : 2012 – January 2014
Institution : Egerton University Seventh Day Adventist Church [EUSDA]
Position : Served in different capacities as a Deacon & Class Representative

Duration : 2010 – Jan 2014
Association : Suba Egerton University Students' Association

Position : Served in different capacities as Ass. Org. Secretary & Organizing Secretary

OTHER QUALIFICATIONS

- Sept. 2015 & Nov. 2016 Facilitated the Annual Construction Research Conference & Exhibition (ACORCE) as planning committee member and Rapporteur
- March 2012 [Egerton University] Underwent a training on Entrepreneurship Leadership
- Dec. 2011 [Egerton University] Underwent training on PLCs [Programmable Logic Controls]
- 2006 – 2007[Mbita High School] Served as a School Prefect in-charge of the Computer Laboratory
- 2006 [Mbita High School] Participated in the National ITEN Mathematics Contest
- 2006 [Mbita High School] Participated in Science Congress up to the Provincial level

PUBLICATIONS

	Title	Authors	Particulars
1	Static Structural and Transient Thermal Analysis of APR1400 Reactor Pressure Vessel	Erick Wasonga MAKLAGO Ihn NAMGUNG Byung Chun HWANG	Presented at the Korea Nuclear Society Conference, Spring 2019 https://www.kns.org/files/pre_paper/41/19S-574-Erick.pdf
2	Plus7 Fuel Rod Heat Transfer Analysis	Byung Chun HWANG Ihn NAMGUNG Erick Wasonga MAKLAGO	Presented at the Korea Nuclear Society Conference, Spring 2019 https://www.kns.org/files/pre_paper/41/19S-568-황병천.pdf
3	Cost of power will go down threefold if we adopt nuclear energy	Erick MAKLAGO	Opinion article in Standard Newspaper https://www.standardmedia.co.ke/article/2001333225/cost-of-power-will-go-down-threefold-if-we-adopt-nuclear-energy
4	Nuclear energy will spur Kenya's economic growth	Erick MAKLAGO	Opinion article in Standard Newspaper https://www.standardmedia.co.ke/article/2001337433/nuclear-energy-will-spur-kenya-s-economic-growth

PROFESSIONAL AREAS OF INTERESTS

1. Finite Element Analysis (FEA) using ANSYS Modeling Modules with bias on Thermal Analysis, Static Structural Analysis, and ANSYS Fluent CFD Modules
2. Engineering Design work using CATIA design tools
3. Complex System Dynamic and Supply Chain Modeling using VENSIM Software
4. Risk and Decision Analysis tools using Precision Tree
5. Fatigue & Fracture Mechanics

HOBBIES

- Socializing
- Writing articles
- Engaging in innovative activities and research work affiliated to engineering profession

REFEREES

1. Eng. Maurice Akech
Ag. Executive Director
National Construction Authority (NCA)
Email: m.akech@nca.co.ke
Phone No. +254724779926
2. Qs. David Mathu
Manager – Research Department,
National Construction Authority (NCA)
Email: d.mathu@nca.co.ke
Phone No. 0723558432
3. Mr. Amos Mwangangi
Factory Manager - National Housing Corporation, EPS Factory
P. O. Box 30257 - 00100
Nairobi
Email: a.mwangangi@yahoo.com
PhoneNo. 0722793166