

CURRICULUM VITAE

PERSONAL INFORMATION

NAME: FAISAL WAHIB ADAM

ADDRESS: Mechanical Engineering Department, KNUST, Kumasi- Ghana

MOBILE: +233 (0)20-7824448/+233 54 704 2227

DATE OF BIRTH: 6TH May, 1983

PLACE OF BIRTH: Nsawam-Ghana

EMAIL: adamsglobal@gmail.com/fwahibadam.coe@knust.edu.gh

MARITAL STATUS: Married

NATIONALITY: Ghanaian

WORK EXPERIENCE

Lecturer

Mechanical Engineering Department

Engineering Mechanics, Vibrations, Dynamics of Machines, Avionics/Mechatronics, Strength of Materials, Matlab Programming and Biomechanics

KNUST

December 2011 to date

Chief Executive Officer

FW Engineering Serices Ltd.

Installation of instrument, Motors and Pumps..

2012-

Steel Design & Detail Engineer

Possitron Engineering Services Limited

Supervisor: Installation and servicing of steel structures

Use of Solid Works 3D software in the design

2009-2012

National Service Personnel

Mechanical Engineering Department-KNUST

2008-2009

Auto Parts Ltd

Designation: Attachment Student

Servicing of automobile

May-July 2005 and May-August 2006

EDUCATION AND TRAINING

Kwame Nkrumah University of Science and Technology (KNUST)

PhD. Mechanical Engineering

2015-2020

Kwame Nkrumah University of Science and Technology (KNUST)

MSc. Mechanical Engineering

2009-2011

Kwame Nkrumah University of Science and Technology (KNUST)

BSc. Mechanical Engineering

2004-2008

PLC Training- May 2012- September 2012

Knowledge Co-Creation Programme- JICA Japan (Renewable Energy) August-September, 2016.

TEACHING AND RESEARCH AREAS

Basic Engineering Mechanics

Engineering Drawing

Strength of Materials

Vibrations, Dynamics and Controls

Biomechanics

Mechatronics

Introduction to MatLab for Engineers

Introduction to SPSS and STATA

PROFESSIONAL ASSOCIATION

Member-Ghana Institution of Engineers

PUBLICATIONS ARISING OUT OF RESEARCH

- 1) **Adam, F. W.**, Ampofo, J., Kumah–Ametepey, R., (2013) *Bending Properties of Implants, Rate of Femur Fractures and Implants Failure in Ostoesynthesis, Reported at the Komfo Anokye Teaching Hospital, KATH, Kumasi-Ghana*. International Journal of Engineering and Technology, Volume 3 No. 3.
- 2) **Adam, F. W.**, Ampofo, J., Kumah–Ametepey, R., (2013) *Material Composition and Microstructure of Femoral Shaft Plate Implants used at the Komfo Anokye Teaching Hospital, KATH, Kumasi-Ghana*. International Journal of Engineering and Technology, Volume 3 No. 3.
- 3) **Adam, F.W.**, Essandoh, E.O., Tawiah, P. O., (2013). *The Suitability of Oxytenanthera Abyssinica For Development Of Prosthesis In Developing Countries*. Published by International Journal of Advanced Research in Engineering And Technology (IJARET), Volume 4, Issue 5, July – August 2013, pp. 87-97.
- 4) Sackey, S. M., and **Adam, F. W.** (2015) *Mechatronics Curriculum development in an Emerging Economy – The Case of the KNUST, Ghana*. African Journal

of Applied Research (AJAR) Journal, Vol.1, No.1 ISSN 2408-7920, Cape Coast, Ghana. 144-158.

- 5) **Adam, F. W.**, Brew-Hammond, A., Essandoh, E. O.,(2013). *Relationships Between Energy Use And Income Levels, For Households In Ghana.* European Scientific Journal June 2013 edition vol.9, No.16 ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431.
- 6) Essandoh, E. O., Osei, E. Y., **Adam, F. W.**, (2014). *PROSPECTS OF WIND POWER GENERATION IN GHANA.* International Journal of Mechanical Engineering and Technology(IJMET)), Volume 5, Issue 10, pp. 156-179.
- 7) Essandoh, E. O., Brew- Hammond, A., **Adam, F. W** (2013). *Wind Data Collection and Analysis in Kumasi.* Published by International Journal of Mechanical & Mechatronics Engineering IJMME-IJENS, Vol.13 No:04. pp.12-23.
- 8) V.M. Tabie, Adam, **F. W. Adam** and M. O. Koranteng., (2016.) MODELING AND SIMULATION OF LOCALLY MANUFACTURED ELEVATED WATER TANK STANDS. GE-International Journal of Engineering Research Vol. 4, Issue 3, March 2016 IF- 4.721 ISSN: (2321-1717).
- 9) C.K.K. Sekyere , F.K. Forson , **F.W. Adam** (2016). Experimental investigation of the drying characteristics of a mixed mode natural convection solar crop dryer with back up heater, Renewable Energy 92, 532–542 Elsevier.
- 10) C.K.K. Sekyere , F.W. Adam , F. Davis , F.K. Forson , Experimental investigation of the thermal buoyancy characteristics of a mixed mode natural convection solar crop dryer with back up heater, J. Energy Technol. Policy 7 (6) (2017) 23–36 ISSN 2225-0573 (Online) .
- 11) C.K.K. Sekyere, **F.W. Adams**, F. Davis, F.K. Forson (2020). Mathematical modelling and validation of the thermal buoyancy characteristics of a mixed mode natural convection solar crop dryer with back up heater, Scientific African 8 (2020) e00441 Elsevier.

REFEREES

• Prof. F. K. Forson
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