

MR. UDOSEN ABASIAFAK NDIREKE

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PERSONAL:

Date and Place of Birth: 9th Jun.,1986, Ikot Ekpene.
State and Nationality: Akwa Ibom State, Nigeria
Marital Status: Single

EDUCATION:

Ph.D Energy and Power Engineering (Degree in view) **2015 till date**, University of Nigeria, Nsukka(UNN).
M.Eng (Mechanical Engineering – Energy & Power Engineering) **2015**, Federal University of Technology Owerri, Imo State(F.U.T.O).
B.Eng (Hons)(Mechanical Engineering) **2009**, Igbinedion University, Okada, Edo State (I.U.O).
W.A.E.C(**May/June 2003**), Nigerian Navy Secondary School, Port Harcourt, Rivers State (N.N.S.S.).
F.S.L.C (**1997**), Kings and Queen Montessori Nursery & Primary School, Uyo, Akwa Ibom State.

PROFESSIONAL SOCIETIES:

Science Teachers Association of Nigeria (STAN)

WORK EXPERIENCE:

Lecturer II –Feb., 2016 till date. Department of Mechanical Engineering, University of Nigeria, Nsukka.
Mathematics/Technology Teacher – Oct., 2013 – Jan.,2015. Beulah International Schools Ekom Iman, Akwa Ibom State.
Youth Corps Teacher – Mar., 2010 – Mar., 2011. Basic Foundation Secondary School Emene, Enugu State.
Internship – May – Sept.,2008.Maintenace Engineer at Nigria Engineering Works.Port Harcourt,Rivers State.

SERVICE TO GOVERNMENT AND OTHER PUBLIC BODIES:

Resource Person – Training & retraining of Secondary School Teachers in Akwa Ibom State under Universal Basic Education (SUBEB)/ (MDGs) project – **2010 – 2012.**

PUBLICATIONS AND RESEARCH:

1. **Udosen, A. N.** and Edentekhe, E. A. (2013). Development of a spike- tooth type thresher for sorghum. *African Journal of Engineering Research and Development*, 6(3), 95-102.
2. Edentekhe, E. A. and **Udosen, A. N.** (2014). Development of a centrifugal type melon seed huller. *African Journal of Research in Engineering*, 11(3), 61-65.

CURRENT RESEARCH ACTIVITIES:

Phase Change Materials: Development of a 2D heat model for predicting the performance of solid-liquid PCM under forced high varying temperatures for cooling purposes.

Thermal Energy Storage: Thermal modelling and experimental assessment of PCM-based heat storage for Temperature management of solar PVs.

Other Research Interests: Computational Fluid Dynamics, Combustion Engineering, Thermal Power Plant Engineering, Solar Energy Systems, Automotive Engineering, Renewable Energy Technologies.