**PROFILE FOR STAFF WEB DIRECTORY: PROF S.O. AFRAM**

**PUBLICATIONS:**

 **“CAPE COAST: Prospects for Renewing a Decaying City”**. (Published in the Journal of KNUST, Volume 17 No. 3 October, 1997 issue)

**Afram, S.O. (2002): “*Obroni Wawu,* Mass Housing, Tower Blocks and HIPC”** (Published in the journal of The Ghana Institute of Architects. Special Issue, November 2002 )

**Afram, S.O. Owusu, S.E. (2006): “Design Innovations Towards Enhancing the Quality of Living in multi-storey Compound Housing for Low-Income Households in Kumasi, Ghana”.** (Published in the journal of KNUST, Volume 26, No. 1, 2006).

**Afram, S.O.(2007):“The Traditional Ashanti Compound House – A Forgotten Resource for Home Ownership of the Urban Poor”.** Paper presented at the International Conference on **“African Architecture Today”** 2007, Kwame Nkrumah University of Science and Technology, Kumasi Ghana.

**Afram, S.O. (2008): Structural Failures of Artisanal-Built Roofs during Rainstorms in Ghana: Common Causes.** (Published in the Journal of the Building and Road Research Institute, Ghana. Vol.11, Dec. 2008, Pages 24-29)

**Amos-Abanyie, S., Afram S.O. (2008): Bioclimatic features of vernacular Architecture of Nzulezu.** (Published in the Journal of the Building and Road Research Institute, Ghana. Vol.11, Dec. 2008, Pages 1-9)

**Afram, S.O. (2008): Some Common Causes of Parapet Roof Construction in Ghana: A Case Study from Kumasi.** (Published in the journal of KNUST, Volume 28, No. 3, 2008).

**Afram, S.O., Korboe, D., (2009): Continuity, Utility and Change: The Urban Compound House in Ghana (**Published in Open House International Journal Vol. 34, 2009).

**Afram, S.O., Olympio, G.F.A. (2009): The Woes of a Strait-jacketed Central Business District: The Case study of Adum**, **Kumasi**. Paper presented at International Conference on AFRICAN PERSPECTIVES 2009 CONFERENCE, September 2009, University of Pretoria, South Africa.

**Kwofie, T.E., Adinyira, E., Botchway, E., Afram, S.O., (2012):** Determining critical Project Success criteria for Public Housing Projects (PHBPS) Delivery in Ghana. Proceedings of 4th West Africa Built Environment Research (WABER) Conference, 24-26 July 2012, Abuja, Nigeria, Pg 1-7.

**Amos-Abanyie, S., Afram, S.O, Olympio, G. (2013):** **Passive Design of Mass Housing Development in the Warm humid Regions of Ghana: A path to sustainable building Design.** (Published in The Journal of Sustainable Development in Africa, Volume 15, No.8, 2013; Clarion, University of Pennsylvania,)

**Bangdome-dery, A., Eghan, G.E., Afram, S.O. (2014): Overview of Self-help (self-build) housing provision in Ghana: Policies and Challenges.** Journal of Developing Country Studies, Vol. 4, No. 6, published by The International Institute for Science Technology and Education (IISTE), 2014.)

**Botchway, E., Afram, S.O.,and Ankrah**, **J**. **(2014):** Building Permit Acquisition: the Situation in the Kumasi Metropoli. Journal of Developing Country Studies, Vol. 4, No. 6, published by The International Institute for Science Technology and Education (IISTE), 2014.)

**Danquah, J., Afram, S.O., (2014)**Residential User Satisfaction of Real Estate Housing in Ghana. International Journal of Civil Engineering Construction & Estate Management. Vol. 1, No.3, pp. 1-21. Dec 2014. Published by European Centre for Research Training and Development, UK [www.eajournals.org](http://www.eajournals.org)

**Afram, S.O., Kwofie, T.E., Attipoe, Jeanette (2015)** The Influence of Beneficiary Participation in Resettlement Schemes in Ghana: A Case Study of the Keta Basin Sea Defence Resettlemnt Project. Presented at International Conference on Infrastructure Development Africa. College of Architecture and Planning, KNUST, Kumasi, Ghana. March 2015.

**Offei-Nketsia, J., Afram, S.O., Asamoah, P.K.B (2015)** Causes and Effects of Transformations: A Case study of Asawase Estate, Kumasi. Presented at International Conference on Infrastructure Development Africa. College of Architecture and Planning, KNUST, Kumasi, Ghana. March 2015.

**Quagraine, V., Afram, S.O., Biekro,G.A.(2015)** Exploring the Sculptural potentials of Plastic waste for the Reduction of the Waste menace in Accra, Ghana. (Submitted to Journal on Waste Management and Research)

**Koranteng, C., Abanyie, S., Afram, S.O. (2015)** An Evaluation of Climate responsive design features of Buildings on KNUST campus Based on Mahoney tables. Presented at International Conference on Infrastructure Development Africa. College of Architecture and Planning, KNUST, Kumasi, Ghana. March 2015.

**Koranteng, C., Afram, S.O., Essel, C. (2015)** An Assessment Of Sacred Spaces In Terms Of Passive Strategies; A Case Of Bantama, Kumasi. Presented at International Conference on Infrastructure Development Africa. College of Architecture and Planning, KNUST, Kumasi, Ghana. March 2015.

**Sarfo-Mensah, R., Kootin-Sanwu, V., Afram, S.O. (2015)** Housing condition for Migrants in Zongo communities; Case Study of Ejisu Zongo, Ghana. Presented at International Conference on Infrastructure Development Africa. College of Architecture and Planning, KNUST, Kumasi, Ghana. March 2015.

**Koranteng, C., Amos-Abanyie, S., Afram, S.O. (2015)** An evaluation of Climate responsive design feature of buildings on KNUST campus, based on Mahoney Tables. British Journal of Applied Science and Technology (BJAST) Vol: 10.9734/BJAST/2015/17795 9. In press)

**Kwofie, T. E., Amos-Abanyie, S. and Afram, S. O. (2016)** ‘Principal Component Analysis of Professional Competencies of Architects in the Ghanaian Construction Industry’. *Engineering, Construction and Architectural Management*, **Vol. 23 Iss 5 pp. 571 – 587.**

**Kwofie, T. E., Afram, S. O. and Botchway, E. A. (2016)** Critical Success Model For PPP Public Housing Delivery in Ghana. *Built Environment Projects and Asset* Management, **Vol. 6 (1): pp. 58 – 73**

**Asigri, E.O., Afram, S.O., Oppong, R.A. (2017)** Assessment of the Adequacy of Fire Safety measures in student Housing facilities at KNUST. At the 6th International Conference on Infrastructure Development in Africa (ICIDA, 2017), KNUST, Kumasi Ghana.

**Quartey, L.N.K., Amos-Abanyie, S., Afram, S.O. (2021)** Noise Exposure Levels in Basic

School Environment in a City in Ghana. Open Journal of Civil Engineering (OJCE)**Vol.**

**11, No. 1**.

**Asigri, E.O., Afram, S.O., Ameyaw,C. (2021)**Fire Safety design attributes of Students’

housing facilities in KNUST, Ghana. African Journal Of Built Environment Research

(AOJBER) **Vol. 5, Issue 1**.

**QUALIFICATIONS:**

BSc. (Design)KNUST, 1981

Post-Graduate Diploma in Architecture, UST, 1984

M.A in Housing (UK) 1994).

**INSTITUTIONS OF STUDY:**

Kwame Nkrumah University Of Science & Technology, Kumasi (1981-1984).

University of Newcastle Upon Tyne, UK (1994).

**AREAS OF SPECIALISM**:

Construction Technology of buildings

Housing Studies

Architectural Design/Construction

**RESEARCH INTEREST:**

Investigating the potentials of the Ashanti Traditional Compound house in order to harness its merits for contemporary housing for the Urban poor.

**EMPLOYMENT RECORDS:**

Teaching Assistant (National Service): 1985 KNUST

Lecturer (Full time): 1986-2017 KNUST

Associate Professor 2008-2015 KNUST

Professor 2016-2017 KNUST

Professor (Post Retirement contract): (2018 to Date) KNUST

**PROFESSIONAL TEACHING EXPERIENCE:**

Worked as a Teaching Assistant in the Department of Architecture, UST, from 1984/85-1985/86. (National Service)

Assisted in teaching the following courses:

1. Construction Technology
2. Architectural Design in the Undergraduate Years.

Appointed as Lecturer in the same Department from 1986/87 to date, lecturing in the following courses:

1. Construction Technology: undergraduate Years
2. Architectural Design in the Undergraduate Years and Postgraduate years
3. Housing Course: Postgraduate Years

 **POSITIONS HELD:**

**Departmental Representative**, the Council of the Ghana Institute of Architects (GIA, 1990-1992).

**Vice-Chairman,** Ghana Institute of Architects, Northern Chapter. 2001 to 2003.

**Head,** Department of Architecture, 2009/10 to 2010/11.

**Head,** Department of Architecture, 2013/14 to 2016/17.

**Vice-President**, Ghana Institute of Architects. (GIA) 2009- 2011.

**Vice Dean,** Faculty of Built Environment, 2013/14 to 2016/17

**Chairman,** Housing Committee-Junior Staff of KNUST ,1998-2000.

**Professorial Representative,** College of Architecture and Planning on Academic Board, KNUST, 2011/12 to 2012/13.

**KNUST Representative**, Academic Board of the Regent University College, Accra, 2009/2010 to 2013/2014.

**Member,** Executive Committee for Validation of Commonwealth Association of Architects (CAA) programmes and Schools (2016).

**Professorial Representative,** College of Architecture and Planning on Academic Board, KNUST, 2013/14 to 2014/2015.

**Professorial Representative,** College of Architecture and Planning on Academic Board, KNUST, 2012/13 to 2013/14

**KNUST Representative,** Academic Board of the Pentecost University College, Accra, 2016/2017 to date.

**Member,** Board of Governors, Ridge School, Kumasi, 2002 to 2017

**Chairman,** Board of Governors, Ridge School. 2018 to date.

**HONOURS/AWARDS**

Awarded the **Frank Lloyd Wright Memorial Prize** for the best Post Graduate Design Thesis in 1984.

Award for the “**Best Lecturer”** in the Department of Architecture for the 2008/9 Academic Year, by the College of Architecture and Planning, KNUST

Award for **“Long Service**” in 2008/9 Academic Year, by the College of Architecture and Planning, KNUST.

**Guest Speaker** for the 71st Speech and Prize giving Day celebration of Aggrey Memorial A.M.E. Zion Senior High School, Cape Coast. 2011

**Honorary** **Coach of Ashanti Region Basketball** **Team** that placed 2nd at the Annual Fetu Afahye Basketball games sponsored by LOYA Gh Ltd in Cape Coast, 2013.

Lighting of Games Flame for the 2012 GUSA games held at KNUST, Kumasi

**Chairman**, Annual Harvest of Methodist Bethel Church, Elmina, November, 2014

**Guest Speaker**, 17th Induction Ceremony of Newly Admitted Architects to the Architects Registration Council (ARC) 2017

**Honorary Coach,** University Basketball Team, 1985-1992

**ACHIEVEMENTS**

**Chairman**, Ghana Institute of Architects, Northern Chapter. 2004-2006. Was also a founding member of the Northern Chapter who contributed immensely to its development.

**Chairman**, Infrastructure Development Committee of The Ghana Basketball Association. From 2002 to date (National Assignment)

**Elected Fellow** of the Ghana Institute of Architects, 2008. (Youngest fellow ever elected aged 51 )

**Vice-President**, Ghana Institute of Architects. (GIA) 2009- 2011.

Elected a 2nd term as **Vice-President**, Ghana Institute of Architects (GIA) 2010 to 2012.

As the Head of Department the following underlisted were achieved:

1. Spearheaded the Department getting another 5year re-validation of our accreditation by the Commonwealth Association of Architects (CAA)for the Bsc and M.Arch programmes in 2015.
2. Helped set up an accreditation Office for re-validation purposes to forestall the constant pressure every 5 years when re-validation is due.
3. The Post graduate diploma in architecture programme was replaced by the M. Arch. Consequently, the PhD programme in Architecture was introduced.
4. Relocated the departmental Office from a small insignificant space to well- spaced offices with improved secretarial facilities.
5. The second lecturer to achieve the status of Professor in the Department since 1960 when it started as a Department of Architecture.
6. A prototype Bus stop was designed by students of Architecture in a design competition and this was subsequently built at several points on the KNUST campus for the Campus Bus services for Students by the university administration.
7. Again, a students’ design competition organized during my tenure resulted in the construction of a Students Accommodation for Mastercard Foundation on KNUST campus.

**ASSOCIATIONS/ AFFLICIATIONS**

Associate, Ghana Institute of Architects (GIA)

Fellow, Ghana Institute of Architects 2008(GIA)

Chartered Institute of Housing, Chartered Member (CIHCM)UK 2015

 **RESEARCH PROJECTS**

A research project is presently in the offing on how to design and build multi -storey housing without using the conventional Post and Beams structural frame in order to reduce cost of the structure and subsequently the cost of housing for the urban poor, utilizing a modernized Traditional Compound House concept.