

# **CURRICULUM VITAE**

**DR. DANIEL YAW ADDAI DUAH**

(BSc., PG.Dip. Arch., MSc., PhD, AGIA)

**(Senior Lecturer, Sustainability, Universal and Smart Environment  
Expert, Architect and Construction Management Consultant)**

Department of Architecture  
College of Art and Built Environment  
Kwame Nkrumah University of Science and Technology, Kumasi – Ghana

July 2020

# CURRICULUM VITAE

(Including other relevant information)

As an Architect and Construction Project Management Consultant, Dr. Daniel Duah is currently employed as a Senior Lecturer at the Department of Architecture, Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana. He holds a Ph.D. degree in Planning, Design, and Construction from Michigan State University, USA, an MSc in Construction Management and Economics from the University of Greenwich, London, U.K., and Post Graduate and Bachelor of Science degrees both in Architecture from KNUST. He obtained his Ordinary and Advanced Level Certificates from Pope John Secondary School in Koforidua.

Daniel's professional and academic interests are: Sustainable, Universal and Smart Environment Planning, Design, and Construction; and Economic Design and Construction. He was awarded a Fulbright Junior Staff Development Scholarship, worth over \$200,000.00, for his PhD studies in 2010. He has made presentations at many national and international forums and is currently supervising 7 PhD Candidates in the Departments of Architecture and Construction Technology and Management at KNUST. He has supervised over 100 student design theses and dissertations at the graduate and undergraduate levels at KNUST and co-authored over 50 peer-reviewed journals, conference, book chapter and workshop publications.

As a member of the Council of the Ghana Institute of Architects, Daniel's experiences, which spans over a decade, are in academia and industry including residential, religious, commercial, corporate, and sport planning, design, and construction.

<b>Name:</b>	DUAH, Daniel Yaw Addai
<b>Department:</b>	Architecture
<b>Faculty:</b>	Built Environment
<b>College:</b>	College of Art and Built Environment
<b>Employer:</b>	Kwame Nkrumah University of Science and Technology, Kumasi
<b>Present Position:</b>	Senior Lecturer
<b>Date of Birth:</b>	May 22, 1975
<b>Place of Birth:</b>	Kaneshie – Accra
<b>Marital Status:</b>	Married with Two (2) Children
<b>Spoken/Written Language:</b>	English, Asante Twi and Ga

1. (a) **ACADEMIC DEGREES EARNED WITH DATES**

August 2010 – May 2014	PhD (Planning, Design and Construction – Construction Management Specialty) Michigan State University, East Lansing – Michigan, USA.
January 2003 – June 2004	M.Sc. (Construction Management and Economics) University of Greenwich, Avery Hill – London, U.K.
September 2000 – July 2002	PG.Dip. (Architecture) Kwame Nkrumah University of Science and Technology, Kumasi – Ghana.
August 1996 – July 2000	B.Sc. (Architecture) Kwame Nkrumah University of Science and Technology, Kumasi – Ghana.

(b) **INSTITUTIONS ATTENDED WITH DATES**

August 2010 – May 2014	PhD (Planning, Design and Construction – Construction Management Specialty) Michigan State University, East Lansing – Michigan, USA.
January 2003 – June 2004	M.Sc. (Construction Management and Economics) University of Greenwich, Avery Hill – London, U.K.
September 2000 – July 2002	PG.Dip. (Architecture) Kwame Nkrumah University of Science and Technology, Kumasi – Ghana.
August 1996 – July 2000	B.Sc. (Architecture) Kwame Nkrumah University of Science and Technology, Kumasi – Ghana.
September 1992 – June 1994	Pope John Secondary School and Junior Seminary (General Certificate of Examination Advance Level Certificate) Koforidua, Ghana
September 1987 – June 1992	Pope John Secondary School and Junior Seminary (General Certificate of Examination Ordinary Level Certificate) Koforidua, Ghana

(c) **FELLOWSHIP/AWARD/PRIZE/CERTIFICATE**

<b>Fellowships/Grants/Scholarships:</b>	<b>i. Erasmus+ Staff Mobility Grant</b> – for Staff Mobility Exchange between KNUST Department of Architecture and Frankfurt University of Applied Sciences – Germany (2019 – 2023).
	<b>ii. GHACEM Mobile Cement Academy (GHACEMOBILE)</b> – for developing a mobile Academy for all regions of Ghana particularly the golden triangle worth GHS588,375.00 (~\$110,000.00) from 2019 and ongoing.
	<b>iii. Erasmus+ Staff Mobility Grant</b> – for Staff Mobility Exchange between KNUST Department of Architecture and Frankfurt University of Applied Sciences – Germany (2018).
	<b>iv. Ghana-Netherlands Universities Volta Design Project Programme</b> – Team Leader for KNUST and Facilitator for Training and Workshop for Volta Design Project in Collaboration with Technical University of Delft, Delft, The Netherlands, from 14 <sup>th</sup> – 18 <sup>th</sup> May 2018.
	<b>v. Fulbright Junior Staff Development Programme</b> – Full Scholarship worth over \$200,000.00 for Doctoral Studies through the United States Department of State to Study at Michigan State University in the city of

	East Lansing in the state of Michigan, United States of America, from August 2010 – December 2013.
	<b>vi. Post-Doctoral Research Fellow and Instructor</b> – at the Department of Construction Management, School of Planning, Design and Construction, Michigan State University, East Lansing, Michigan – USA from January 2014 – June 2014.
<b>Certificate Awarded:</b>	<b>i.</b> Designing for Greater Efficiency Certificate – Excellence in Design for Greater Efficiencies (Edge) organized by the International Finance Corporation of the World bank Group, USA from 29 <sup>th</sup> June – 3 <sup>rd</sup> July 2020.

## **2. UNIVERSITY TEACHING AND OR RESEARCH EXPERIENCE WITH DATES**

### **a. Academic Ranks held and subjects taught**

Senior Lecturer-in-Architecture	2015 to present
Lecturer-in-Architecture	2006 to 2015

### **b. Supervision of Student Project Work/Theses/Research**

- Bachelor of Science Architecture 50 students till date
- Post Grad. Dip/Master of Architecture 40 students till date
- Master of Science Architecture 1 student till date
- Doctor of Philosophy in Architecture 7 students till date
- Doctor of Philosophy in Construction Management 2 students till date

### **c. Research Interests**

- Energy Efficiency in Buildings
- Sustainable Planning, Design, Construction and Construction Materials
- Smart, Universal and Barrier-Free Built Environments

## **3. PROFESSIONALLY RELATED EXPERIENCE**

### Professional Status

Associate of Ghana Institute of Architects (AGIA)  
Member Register No: 687

### Selected professionally related Projects undertaken after appointment as Senior Lecturer

i.	Development of Training Manual for Built Environment Professionals for GHACEM Limited, Ghana <b>(2018 – ongoing)</b> .
ii.	Design and Detailing GHACEM Mobile Academy Facility for the 10 regions in Ghana <b>(2018 – ongoing)</b> .
iii.	Development of Handbook for GHACEM Limited, Ghana <b>(2019 – ongoing)</b> .
iv.	Design of 23 Housing Typologies from 1 Bedroom to 14 Bedrooms for the Resettlement Project of Tetrem Community for Asanko Mining Company, Ashanti Region <b>(2019 – 2020)</b> .

v.	Management of the Construction of over 100 Church Buildings and Mission Houses for the Church of Pentecost, Ejisu Area <b>(2015 – 2020)</b> .
vi.	Design of 550 capacity 2 story Church Auditorium for the Church of Pentecost, English Assembly, Kwamo District, Ejisu Area <b>(2019 – 2020)</b> .
vii.	Design of 550 capacity 2 story Church Auditorium for the Church of Pentecost, Krapa Assembly, Ejisu New Town District, Ejisu Area <b>(2019 – 2020)</b> .
viii.	Design of 5 Bedroom 2 storey Area Mission House for the Church of Pentecost, Akim Oda Area <b>(2019 – 2020)</b> .
ix.	Design of 4 Bedroom 2 Storey Semi-Detached Mission House for the Church of Pentecost, New Town District and Pentecost International Worship Center, Akim Oda Area <b>(2019 – 2020)</b> .
x.	Design and Supervision of 24 room 3 story Guest House facility at Ejisu, Ashanti Region <b>(2019 – 2020)</b> .
xi.	Design of 3 Storey Market and Commercial Complex and Transport Terminal for the Sierra Leone Integrated Resilient Urban Mobility Project (SLIRUMP), Ministry of Finance and Economic Planning, Freetown, Sierra Leone <b>(2018 – 2019)</b> .
xii.	Design of 5 Bedroom 2 storey Mission House for the Church of Pentecost, Akyawkrom District, Ejisu Area <b>(2019)</b> .
xiii.	Development of Conceptual Spatial Plans and Architectural Design for the 32 Acre Juaben Urban Catalyst Project (JUCAP) for Juaben Municipal Assembly, Juaben, Ashanti Region <b>(2019)</b> .
xiv.	Design of 3 Storey Educational Complex comprising Pre-School, Primary School and Junior High School at Koforidua, Eastern Region <b>(2019)</b> .
xv.	Preparation of Master Plan Proposal for New Central Business District for Juaben Municipal Assembly, Ashanti Region <b>(2019)</b>
xvi.	Design of 5 Bedroom 2 storey Mission House for the Church of Pentecost, Ejisu District, Ejisu Area <b>(2018 – 2019)</b> .
xvii.	Design of 4,000 capacity Church Auditoria for the Church of Pentecost, Central and English Assemblies, Kwamo District, Ejisu Area <b>(2018 – 2019)</b> .
xviii.	Design of 350 capacity Church Auditorium for the Church of Pentecost, Besease Central Assembly, Besease District, Ejisu Area <b>(2018)</b> .
xix.	Design for the Renovation of the Kitchen of Pope John Senior High School and Minor Seminary, Koforidua, Eastern Region <b>(2018)</b> .
xx.	Design and Construction Supervision of 5 Bedroom 1 Storey Mission House for the Anglican Church, Nkawie Diocese, Ashanti Region <b>(2018)</b> .
xxi.	Design of 400 Capacity Church Building for Bridge of Hope Ministry, East Legon, Accra <b>(2017-2018)</b> .
xxii.	Redesign of 240 Capacity Pentecost Preparatory School to a Modern 650 Capacity Preparatory and Junior High School, Effiduase, Ejisu Area Ashanti Region <b>(2017)</b> .
xxiii.	Design of 472 Capacity Church Auditorium for the Church of Pentecost, Drobonso District, Sekyere Afram Plains, Ejisu Area <b>(2016 – 2017)</b> .
xxiv.	Design of 1000 Seating Capacity Sports Stand and Ancillary Facilities for Pope John Senior High School and Minor Seminary, Koforidua, Eastern Region <b>(2016)</b> .

xxv.	Design and Supervision of 240 Capacity Crèche for Holy Family School, Ahinsan, Kumasi <b>(2016).</b>
xxvi.	Design of Community Police Station for Sefwi Wiawso, Western North Region on behalf of Xylogy <b>(2015).</b>

#### 4. DETAILS OF RESEARCH OR PROJECTS UNDERTAKEN:

##### (a) Research Conducted

i.	Research on Industry Profile of the Architectural Practice in Ghana for the Architects Registration Council <b>(2019 – Ongoing).</b>
ii.	GHACEM Mobile Cement Academy inspired by idea of mobility of structures but specifically to help increase the knowledge base and skills of Professionals and Artisans in GHACEM cement and to increase its uptake <b>(2018 – Ongoing).</b>
iii.	Acceptability of Cement in Small and Medium Sized Packaging in Ghana: Industry Research Collaboration between KNUST and GHACEM <b>(2018 – Ongoing).</b>
iv.	Occupant Behaviour in Achieving Energy Efficiency in Residential Homes <b>(Ongoing).</b>
v.	Framework for Uptake of High Performance Buildings in the Built Environment of Ghana <b>(Ongoing).</b>
vi.	Using Barrier Free Environments as a Catalyst to Smart Community Initiatives in Sub Sahara Africa <b>(Ongoing).</b>
vii.	Smart Building Regulation Enforcement for Sustainable Urban Development in Ghana <b>(Ongoing).</b>
viii.	Role of Architects in Achieving Sustainable Material Waste in Building Projects in Ghana <b>(Ongoing).</b>
ix.	Reimagining Retirement: Addressing Elderly Neglect and Depression through the Design of a Retirement Village <b>(Ongoing).</b>
x.	Healthcare without Barriers: Making Healthcare Accessible to All in Ghana <b>(Ongoing).</b>
xi.	Evaluating the Accessibility of Religious Buildings in Ghana: Case Study of Kumasi <b>(Ongoing).</b>
xii.	Towards a Barrier Free Education: An Analysis of Colleges of Education Campuses in the Ashanti Region of Ghana <b>(Ongoing).</b>
xiii.	Sustainable Pedestrian Friendly Road Rating System for University Campuses in Ghana <b>(Ongoing).</b>
xiv.	Monumental Neglect: Development of a Framework for Promoting Indigenous Building Materials for Housing in Ghana <b>(Ongoing).</b>
xv.	Encroachment on Military Lands in Ghana: Assessing the Physical Development Challenges of Past Encroachment on De-Militarized Lands and the Impact on the Viability of Military Installations <b>(Ongoing).</b>
xvi.	Framework for Sustainable and Affordable Housing Provision in Ghana <b>(Ongoing).</b>
xvii.	Agro-Tourism as food Security Strategy- Role of the Community Planner (ATaFoSS), Ghana, Uganda and Cameroun <b>(2016-Ongoing).</b>
xviii.	Towards a Smart-Cultural Peri-Urban Community: The Case of Kyebi <b>(2018 – 2019).</b>
xix.	Smart Cultural Peri-Urban Communities in Ghana – Kyebi <b>(2018 – 2019).</b>

xx.	Implementation of Green Certification of Buildings in Ghana (2017 – 2019).
xxi.	Land Efficiency for Senior High Schools in Ghana (2017 – 2019).
xxii.	Sustainable Road Rating Systems for University Campuses in Ghana (2017 – 2019).
xxiii.	Parliament without Barriers. Study of Barrier Free Environments in Public Buildings in Ghana (2016 – 2018).
xxiv.	Resilient Coastal Communities in Ghana (2016 – 2018).
xxv.	Sustainable Practices in Real Estate Housing in Ghana: Perception of Occupants (2016 – 2017).
xxvi.	Exploring the Possibility of Flood-resistant Buildings in Accra (2016 – 2017).
xxvii.	Determining the Influence of Indoor Environmental Quality on the Choice of Window Types among Stakeholders in Ghana (2016 – 2017).
xxviii.	Parliament Without Barriers (PAMBA)-Kick-off for Barrier Free Concepts in Ghana (2016).
xxix.	Landscapes and Initiatives for Community Revival plus (LaNCoR+): The Case of Appiadu, Ghana International Student Research workshop promoted by CLEAN-AFRICA e.V. and Catholic Archdioceses of Kumasi and Supported by ISOCARP and GIZ (2015-2016).
xxx.	Delivering Sustainability in Ghana Using Building Adaptation (2015).
xxxi.	Sustainable Mid-rise Office Buildings in Ghana – Evaluation of Selected Buildings. (2015).
xxxii.	Intelligent Decision Support System for Home Energy Retrofit Adoption (2011 – 2015).

(b) **PUBLICATION ARISING OUT OF THE RESEARCH**  
**Refereed Journal Articles**

1.	Anzagira, L. F., Badu, E., & <b>Duah, D. (2019)</b> . Towards an Uptake Framework for the Green Building Concept in Ghana: A Theoretical Review. <i>International Journal on Proceedings of Science and Technology</i> , 57–76.
2.	Anzagira, L. F., Badu, E., & <b>Duah, D. (2019)</b> . A Conceptual Framework for the Uptake of the Green Building Concept in Ghana. <i>Scientific African</i> , Vol. 6, November 2019, <a href="https://doi.org/10.1016/j.sciaf.2019.e00191">https://doi.org/10.1016/j.sciaf.2019.e00191</a> , 1-11.
3.	Agyekum, K., Adinyira, E., Baiden, B., Ampratwum, G., & <b>Duah, D. (2019)</b> . Barriers to the Adoption of Green Certification of Buildings: A Thematic Analysis of Verbatim Comments from Built Environment Professionals. <i>Journal of Engineering, Design and Technology</i> , Vol. 17 No 5, 1035-1055. Emerald Publishing Limited.
4.	Ampratwum, G., Agyekum, K., Adinyira, E., & <b>Duah, D. (2019)</b> . A Framework for the Implementation of Green Certification of Buildings in Ghana. <i>International Journal of Construction Management</i> , 1-15, DOI: <a href="https://doi.org/10.1080/15623599.2019.1613207">10.1080/15623599.2019.1613207</a>
5.	Mosner-Ansong, K.F. & <b>Duah, D. (2018)</b> . The Seasonal Effects of Weather on Residential Electric Energy Usage. <i>Journal of Energy and Resource Management (JENRM)</i> , 2018 – Sept 27.
6.	Mosner-Ansong, K. F., & <b>Duah, D. (2018)</b> . Occupants’ Perceptions on Indoor Comfort as a Key Factor in Residential Energy Use. <i>Journal of Energy and Natural Resource Management (JENRM)</i> , 1(2). <a href="https://doi.org/10.26796/jenrm.v1i2.136">https://doi.org/10.26796/jenrm.v1i2.136</a> .

7.	Mosner-Ansong, K. F., and <b>Duah, D. (2018)</b> . The Building Occupants' Factor In Reducing Electric Energy Wastage In Ghanaian Residential Homes- A Critical Review. <i>International Journal Of Technology And Entrepreneurship</i> Vol. 1, Issue 1, June 2018, pp. 138-152.
8.	<b>Duah, D.,</b> & Syal, M. G. M. (2017). Direct and Indirect Costs of Change Orders. <i>Practice Periodical on Structural Design and Construction</i> , 22(4), [4017025]. DOI: <a href="https://doi.org/10.1061/(ASCE)SC.1943-5576.0000342">10.1061/(ASCE)SC.1943-5576.0000342</a> .
9.	Danquah, J. A., <b>Duah, D.,</b> and Marful, A. B. (2017). Sustainable Practices in Real Estate Housing in Ghana: Perception of Occupants. <i>RISUS - Journal on Innovation and Sustainability</i> , 8(4) - 2017 ISSN: 2179-3565. <a href="http://dx.doi.org/10.24212/2179-3565.2017v8i4p98-113">http://dx.doi.org/10.24212/2179-3565.2017v8i4p98-113</a> .
10.	<b>Duah, D.</b> and Syal, M. (2016). Intelligent Decision Support System for Home Energy Retrofit Adoption. <i>International Journal of Sustainable Built Environment</i> . Vol. 5(2), 620-634. <a href="https://doi.org/10.1016/j.ijse.2016.05.003">https://doi.org/10.1016/j.ijse.2016.05.003</a>
11.	<b>Duah, D.,</b> Ford, K., Syal, M. G. M. (2016). Role of Expert Knowledge in Home Energy Retrofits. <i>International Journal of Architecture, Engineering, and Construction</i> , 5(2), March 2016, 185-195.
<b>EDITED BOOK CHAPTERS</b>	
12.	Marful, A. B., Danquah, J.A., <b>Duah, D.</b> & Oppong, R. A. (2019). <i>Towards a Smart-Cultural Peri-Urban Community: The Case of Kyebi, Ghana</i> . Published in ISOCARP REVIEW 15 entitled: Planning for a Metropolitan Area. Copyright 2019 – International Society of City and Regional Planners; ISBN: 978-90-75524-628. ( <a href="http://www.isocarp.org">www.isocarp.org</a> ).

**(c) JOURNALS IN WHICH PAPERS ARE PUBLISHED**

1.	International Journal of Sustainable Built Environment
2.	International Journal of Architecture, Engineering, and Construction
3.	Journal of Engineering, Design and Technology
4.	International Journal of Construction Management
5.	Practice Periodical on Structural Design and Construction
6.	Journal of Energy and Natural Resource Management
7.	Journal on Innovation and Sustainability
8.	International Journal of Technology and Entrepreneurship
9.	Journal of Energy and Resource Management
10.	International Journal on Proceedings of Science and Technology
11.	Scientific African

**4. CONFERENCES/SEMINARS AND WORKSHOPS**

**A. CONFERENCES/SEMINARS AND WORKSHOPS AT WHICH PAPERS WERE READ/PRESENTED SINCE LAST PROMOTED**

1.	Offei-Nketiah, J.K., Kwofie, T.E., & <b>Duah, D. (2019)</b> . Development Control Strategies for Sustainable and Resilient Urban Development in Sub-Saharan Africa: In: Laryea, S. and Essah, E. (Eds.). Proc. of West Africa Built Environment Research
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	(WABER) Conference, 10th Anniversary Conference, 5-7 August 2019, Accra, Ghana (pp. 403-422).
2.	Offei-Nketiah, J.K., Kwofie, T.E., & <b>Duah, D. (2019)</b> . Regulatory Distress: Architects' Perspective on Enforcement of Building Regulations in Ghana. In: The Construction Industry in the Fourth Industrial Revolution. Proceedings of 11 <sup>th</sup> Construction Industry Development Board (CIDB) Postgraduate Research Conference. <a href="https://doi.org/10.1007/978-3-030-26528-1">https://doi.org/10.1007/978-3-030-26528-1</a> . Copyright Year: 2020.
3.	Danquah, J.A., Marful, A.B., & <b>Duah, D. (2019)</b> . Exploring Barrier-Free as a catalyst to Smart Cities Initiatives in Sub Saharan Africa. In Real Corp 2019 – Is This the Real World? Perfect Smart Cities vs. Real Emotional Cities. Proceedings of the 24 <sup>th</sup> International Conference on Urban Planning, Regional Development and Information Society (pp. 339-351). CORP-Competence Center of Urban and Regional Planning.
4.	Doamekpor, N.A.A. & <b>Duah, D. (2019)</b> . Conceptions of Sustainability Amongst Post Graduate (MSc) Construction Management Students. In: Laryea, S. and Essah, E. (Eds.). Proc. of West Africa Built Environment Research (WABER) Conference, 10th Anniversary Conference, 5-7 August 2019, Accra, Ghana (pp. 305-318).
5.	<b>Duah, D. (2019)</b> . Climate Adapted Architecture for the Tropics; Presented in Barrier-Free System Course Erasmus+ Staff Mobility for Teaching (STA) at Frankfurt University of Applied Sciences, Germany.
6.	<b>Duah, D. (2018)</b> . Sustainable Buildings for the Tropics; Presented in Barrier-Free System Course Erasmus+ Staff Mobility for Teaching (STA) at Frankfurt University of Applied Sciences, Germany. 18th June - 22nd June 2018
7.	Marful, A. B., <b>Duah, D.</b> , & Danquah, J.A. (2018). Smarting the Cities: A Catalyst for Acculturation in Ghana. Proceedings of the 54 <sup>th</sup> ISOCARP Conference: Changing Climate and Our Urban Future, held in Norway from 1-5 October 2018 (pp. 1154-1173).
8.	Osei-Tutu, P., Oppong, R.A., & <b>Duah, D. (2017)</b> . Exploring the Possibility of Flood-resistant Buildings in Accra, Ghana. <i>Proceedings of the 6<sup>th</sup> International Conference on Infrastructure Development in Africa (ICIDA) 2017</i> , pp. 477-458, College of Art and Built Environment, KNUST – Kumasi, held at IDL Conference Center, KNUST, April 14 – 17, 2017.
9.	Mosner-Ansong, K.F. & <b>Duah, D. (2017)</b> . Theoretical Inquiry into Developing a Framework for Assessing Electric Energy Wastage in Residential Homes in Ghana. <i>Proceedings of the 6<sup>th</sup> International Conference on Infrastructure Development in Africa (ICIDA) 2017</i> , pp. 311-324, College of Art and Built Environment, KNUST – Kumasi, held at IDL Conference Center, KNUST, April 14 – 17, 2017.
10.	Mosner-Ansong, K.F. & <b>Duah, D. (2017)</b> . Evaluating the Building Occupants' Factor in Electric Energy Wastage Reduction for Residential Homes in Ghana. A Critical Review. <i>International Conference on Education, Technology and Entrepreneurship (ICETE) 2017</i> , Ghana Technology University College, Ghana in collaboration with Coventry University, UK, held Ghana Technology University Campus, Tesano-Accra, June 12 – 14, 2017.
11.	Mosner-Ansong, K.F. & <b>Duah, D. (2017)</b> . Ontology into Building Occupants' Perceptions on Energy Efficiency in Ghanaian Residential Homes Designs. <i>1<sup>st</sup> International Conference on Climate Change And Sustainable Development (ICCCSDA 2017)</i> , University of Energy and Natural Resources (UENR), Sunyani, July 25 – 28, 2017.

12.	Mosner-Ansong, K.F. & <b>Duah, D. (2017)</b> . Correlation between Weather and Electric Energy Consumption in Ghanaian Residential Homes. <i>2<sup>nd</sup> International Conference on Engineering, Science, Technology, and Entrepreneurship</i> , College of Engineering, KNUST held at the IDL Conference Center, KNUST – Kumasi, August 16 – 18, 2017.
13.	Mosner-Ansong, K.F. & <b>Duah, D. (2017)</b> . A Bottom-up Approach in Identifying the Critical Energy Use Drivers for Residential Homes in Ghana: Towards Energy Wastage Reductions. <i>2nd International Conference on Engineering, Science, Technology, and Entrepreneurship</i> , College of Engineering, KNUST held at the IDL Conference Center, KNUST – Kumasi, August 16 – 18, 2017.
14.	Farhat, F., Opoku, D., & <b>Duah, D. (2017)</b> . Determining the Influence of Indoor Environmental Quality on the Choice of Window Types among Stakeholders in Ghana. <i>4th International Design Conference, Kumasi (NAD-KiDEC 2017)</i> , Faculty of Art, College of Art and Built Environment, KNUST - Kumasi, held at the IDL Conference Center, KNUST, October 4 – 6, 2017.
15.	Mosner-Ansong, K.F. & <b>Duah, D. (2017)</b> . Potentials of an Obligatory Energy Audit of Households: Towards an Energy Resilient Ghanaian Residential Sector. <i>4th International Conference on Applied Sciences and Technology (ICAST 2017)</i> , Kumasi Technical University (KsTU), held at the Conference Center, KsTU, September 11 – 13, 2017.
16.	<b>Duah, D.Y.A.</b> , Olympio, G.F.A., Amos-Abanyie, S. (2015). Delivering Sustainability in Ghana Using Building Adaptation. <i>Paper presented at the 1<sup>st</sup> International Conference on Engineering, Science, Technology, and Entrepreneurship</i> , College of Engineering, KNUST, Ghana, 6-7 August 2015.
17.	Amos-Abanyie, S., <b>Duah, D.Y.A.</b> , Koranteng, C., (2015). Sustainable Mid-rise Office Buildings in Ghana – Evaluation of Selected Buildings. <i>Paper presented at the 1<sup>st</sup> International Conference on Engineering, Science, Technology, and Entrepreneurship</i> , College of Engineering, KNUST, Ghana, 6-7 August 2015.

## B. OTHER/CONFERENCES/SEMINARS AND WORKSHOPS ATTENDED SINCE LAST PROMOTED

1.	National Participant, <i>Stakeholder Consultation on Development of a National Cooling Plan for Ghana</i> . Organized by the UNDP and held at Aruba Hotel, Aburi from <b>February 4-6, 2020</b> .
2.	Participant and Co-Presenter on the Topic: Smarting the Cities: A Catalyst for Acculturation? <i>Smart and Inclusive Sustainable Cities International Workshop</i> . Organized Jointly by the Department of Planning, College of Art and Built Environment, KNUST – Kumasi and University of Bradford, UK. Held at Noda Hotel, Kumasi on <b>July 6, 2017</b> .
3.	Co-Presenter on the Topic: Awareness of Energy Efficiency Standards for Household Appliances by Residential Users and Its Influence on Their Purchasing Decisions. <i>College Colloquium</i> . Organized Jointly by College Research Office (OGR), Center for Settlement Studies and Center for Excellence for Housing Studies (KNUST), CABA Conference Room, KNUST on <b>October 19, 2017</b> .
4.	Participant and Co-Presenter on the Topic: Results of Parliament without Barriers Workshop. <i>World Architecture Day – Ghana 2016: Universal Designs/Barrier Free Concepts in</i>

	<i>Ghana</i> . Jointly Organized by the Architects Registration Council of Ghana, Ghana Institute of Architects and CLEAN Africa at GS Plaza, Accra. <b>October 3, 2016.</b>
5.	Participant and Presenter on the Topic: Social Aspects of Barrier-free Building Environment – Benefits and Limitations. International Workshop: “ <i>Parliament without Barriers: Kick-off for Barrier-free Concepts in Ghana (PAMBA GHANA)</i> ”. Organized by KNUST and CLEAN-Africa in collaboration with University of Applied Sciences, Frankfurt (FRA-UAS), Germany and Africa Good Governance Network (AGGN) at Travelers Paradise Hotel, Accra. <b>August 2 – 11, 2016.</b>

## 5. LIST OF ALL OTHER PUBLICATIONS

### (a) Giving details of books and articles and stating exact references

1.	Syal, S., <b>Duah, D.</b> , Samuel, S., Mazor, M., Mo, Y. and Cyr, T. (2014). Information Framework For An Intelligent DSS For Home Energy Retrofits. <i>Journal of Construction Engineering and Management</i> , 140 (1).
2.	<b>Duah, D. Y. A.</b> , Ford, K., Syal, M. (2014). Expert Knowledge Elicitation for Decision-Making in Home Energy Retrofits. Structural Survey, <i>Journal of Building Pathology and Refurbishment</i> , 32(5), pp. 377–395. Emerald Group Publishing Limited.
3.	Syal, M., Diffendal, J., <b>Duah, D.</b> (2014). Change Order Guidelines for Electrical and Low Voltage Contractors. <i>National Electrical Contractors Association (NECA)</i> . ELECTRI International – The Foundation for Electrical Construction, Inc. Available at: <a href="http://www.electri.org/research/change-order-guidelines-electrical-and-low-voltage-contractors">http://www.electri.org/research/change-order-guidelines-electrical-and-low-voltage-contractors</a> .
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## 8. REFEREES

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