

CURRICULUM VITAE (CV)

Name: PROFESSOR THEOPHILUS ADJEI-KUMI

Department:

	Office Address:	DEPARTMENT OF CONSTRUCTION TECHNOLOGY AND MANAGEMENT
		KNUST, KUMASI
	Email:	tadjei-kumi.cap@knust.edu.gh
		tadjeikumi@yahoo.com
	Telephone/Mobile:	0244536995
		0207851186
	Date of Birth	21/11/1967

Qualifications (Degree/Education) with dates:

PhD Civil Engineering – 1997
MSc Construction Management - 1994
BSc (Hons) Building Technology - 1992

Institutions of Study with dates:

Strathclyde University, Glasgow 1994 - 1997
Strathclyde University, Glasgow 1993 - 1994
Kwame Nkrumah University of Science and Technology, Kumasi 1988 - 1992

Area of Specialty:

Project Management
Quantity Surveying
Contract Administration
Construction Procurement
IT in Construction

Research Interest (Where Applicable):

Early-stage Construction Capital Cost Planning
Project Value & Sustainability Management
Artificial Intelligence Application in Construction Procurement

Area of Interest (Where Applicable):

Early-stage Construction Capital Cost Planning
Project Value & Sustainability Management
Artificial Intelligence Application in Construction Procurement

Employment Records & Position Held/Hold (with dates):

Associate Professor, Department of Construction Technology and Management, August 2017 – Date
Senior Lecturer, Department of Building Technology, August 2011 – July 2017
Lecturer, Department of Building Technology, Feb. 1998 - Aug. 2003 – July 2011

Professional/Teaching Experience (with dates): This should include current courses taught by semester and teaching load:

I deliver lectures at both the undergraduate and post-graduate levels in the following areas:
Project Management
Construction Procurement and Commerce
Construction Cost Estimation & Price Analysis
Project Procurement and Contract Administration

Key Positions held (with dates):

Chairman, Tender Evaluation Panel, KNUST, August 2018 – Date
Head of Department, August 2017 – July 2018
Chairman, Accreditation and Curriculum Review Committee, College of Art and Built Environment, KNUST, August 2017 – Date
Chairman, Board of Directors, University Construction Limited, KNUST, Kumasi Aug. 2006 – Aug. 2012:
Head, Department of Building Technology, August 2003 – July 2004

Honours & Awards:

Best Student in Quantity Surveying and Building Economics, Department of Construction Technology and Management, KNUST 1992
ODASSS Scholarship for MSc Studies in Construction Management at University of Strathclyde, Scotland, UK, 1993
Research Fellowship for PhD Studies in Civil Engineering at University of Strathclyde, Scotland, UK, 1994

Achievements:

Adobor C., Osei-Tutu E., Hohoabu K., and Adjei-Kumi T., (2013), "Publication of Monthly Construction Cost Indices for the Construction Industry of Ghana", ISSN:0855-508

Associations/Affiliations (*Contribution and Current Position*):

November 2017, Member, American Evaluation Association
August 2014 –Member, Ghana Institution of Construction (MGIOC)
June 2013 – Member, PRINCE2 (PR ojects IN C ontrolled E nvironments 2), UK
June 2008 – Member, Project Management Institute (PMI)
June 2008 – Project Management Professional (PMP)
Dec. 2000 – Member, Ghana Institution of Surveyors (MGHS)

Publications (or Articles):

Journal Papers

1. Kissi, E., Ahadzie, D. K., Debrah, C., & **Adjei-Kumi, T.** (2020). Underlying strategies for improving entrepreneurial skills development of technical and vocational students in developing countries: using Ghana as a case study. *Education+ Training*.
2. Kissi, E., **Adjei-Kumi, T.**, Twum-Ampofo, S., & Debrah, C. (2020). Identifying the latent shortcomings in achieving value for money within the Ghanaian construction industry. *Journal of Public Procurement*. <https://doi.org/10.1108/JOPP-11-2019-0075>
3. Danku, J.C., **Adjei-Kumi, T.**, Baiden, B.K. and Agyekum, K. (2020) An Exploratory Study into Social Cost Considerations in Ghanaian Construction Industry. *Journal of Building Construction and Planning Research*, Vol 8 (1):14-29.
4. Adabre, M. A., Chan, A. P. C., Darko, A., Osei-Kyei, R., Abidoye, R., **Adjei-Kumi T.**, (2020). Critical barriers to sustainability attainment in affordable housing: International construction professionals' perspective, *Journal of Cleaner Production*, Vol. 253, <https://doi.org/10.1016/j.jclepro.2020.119995>.
5. Akunyumu, S., **Adjei-Kumi, T.**, Danku, J. C. and Kissi, E. (2019). Communication Problems in Projects - A Research Study for Construction Site Projects: A Case Study of Ghana. *International Journal of Project Organisation and Management*, Vol. 11, No. 4, pp. 343-361.
6. Acheamfour, V. K., Kissi, E., **Adjei-Kumi, T.**, & Adinyira, E. (2019). Review of empirical arguments on contractor pre-qualification criteria. *Journal of Engineering, Design and Technology*.
7. Acheamfour, V. K., Kissi, E., & **Adjei-Kumi, T.** (2019). Ascertaining the impact of contractors pre-qualification criteria on project success criteria. *Engineering, Construction and Architectural Management*.

8. Kissi, E., **Adjei-Kumi, T.**, Amoah, P., & Gyimah, J. (2018). Forecasting construction tender price index in Ghana using autoregressive integrated moving average with exogenous variables model. *Construction Economics and Building*, 18(1), 70
9. Buerter, J. I. T., Offei, S. W., **Adjei-Kumi, T.**, & Atsrim, F. (2018). Effect of aggregates minerology on the strength of concrete: Case study of three selected quarry products in Ghana. *Journal of Civil Engineering and Construction Technology*, 9(1), 1-10.
10. Kpamma, Z. E., **Adjei-Kumi, T.**, Ayarkwa, J., & Adinyira, E. (2018). Choosing by Advantages incorporated framework for a user-involved design process. *Architectural Engineering and Design Management*, 14(3), 194-217.
11. Agbesi, K., Fugar, F. D., & **Adjei-Kumi, T.** (2018). Modelling the adoption of sustainable procurement in construction organisations. *Built Environment Project and Asset Management*.
12. Kissi E., **Adjei-Kumi, T.**, Amoah, P., & Emmanuel, B. B. (2017). Identifying key economic indicators influencing tender price index prediction in the building industry: a case study of Ghana. *International Journal of Construction Management*, pp. 1-7
13. Kissi E., **Adjei-Kumi, T.** & Amoah P., Bannor B., E. (2017) "Assessing the Critical Barriers to Tender Price Index Development in the Building Industry, *International Journal of Construction Project Management and Innovation*, Vol 7, Special Issue 1 pp. 1933-1953
14. Kissi E., Ahadzie D., K., **Adjei-Kumi T.**, & Badu E. (2017) "Rethinking the Challenges to the Pricing of Projects in the Ghanaian Construction Industry, *Journal of Engineering, Design and Technology*, Vol. 15 Issue: 5, pp.700-719, <https://doi.org/10.1108/JEDT-11-2016-0090>
15. Kissi E., **Adjei-Kumi, T.** Badu, E., & Bannor B., E., (2017) "Factors Affecting Tender Price in the Ghanaian Construction Industry, *Journal of Financial Management of Property and Construction* Vol:22, Issue: 3, pp 252- 262, DOI (10.1108/JFMPC-09-2016-0044)
16. Kpamma, Z. E., **Adjei-Kumi, T.**, Ayarkwa, J., & Adinyira, E. (2017). Participatory design, wicked problems, choosing by advantages. *Engineering, Construction and Architectural Management*.
17. Nani, G., Mensah, I., & **Adjei-Kumi, T.** (2017). Duration estimation model for bridge construction projects in Ghana. *Journal of Engineering, Design and Technology*.
18. Kissi, E., Boateng, E. B., **Adjei-Kumi, T.**, & Badu, E. (2017). Principal component analysis of challenges facing the implementation of value engineering in public projects in developing countries. *International Journal of Construction Management*, 17(2), 142-150.

19. Kissi E., **Adjei-Kumi T.** & Badu E. (2017) Exploring Cost Planning Practices Adopted by Ghanaian Construction Professionals. *International Journal of Project Organisation and Management*, Vol. 9, No. 1, 83-93
20. Mensah I., **Adjei-Kumi T.**, and Nani G., (2016). "Duration Estimation Model for Prefabricated Steel Bridges on Rural Roads." *Journal of Construction Engineering and Management*.
21. Kpamma, Z.E., **Adjei-Kumi, T.**, Ayarkwa, J., and Adinyira, E. (2015). "An Exploration of the CBA Decision System as A User Engagement Tool in Participatory Design." *Architectural Engineering and Design Management*
22. Mensah I., **Adjei-Kumi T.**, and Nani G., (2015). "Duration determination for Rural Roads Using the Principal Component Analysis and Artificial Neural Network." *Journal of Engineering, Construction and Architectural Management*
23. Ameyaw C., **Adjei-Kumi T.**, and De-Graft O.M., (2015). "Exploring Value for Money (VFM) Assessment Methods of Public-Private Partnership Projects in Ghana: A Theoretical Framework." *Journal of Financial Management of Property and Construction*. Vol. 20 No.3, 2015 pp 268-285, Emerald Group Publishing Limited, 1366-4387, DOI 10.1108/JFMPC-01-2015-003.13.
24. Kpamma, Z.E., Adinyira, E., Ayarkwa, J., and **Adjei-Kumi, T.** (2015). "Application of The CBA Decision System to Manage User Preferences in Design Process." *Journal of professional Issues in Engineering Education and Practice*. 06/2015; DOI: 10.1061/(ASCE)EI.1943-5541.0000258.
25. Kissi, E., **Adjei-Kumi, T.**, and Badu, E. (2015). "Towards the Development of Tender Price Index for Effective Cost Planning in the Ghanaian Construction Industry." *International Journal of Construction Engineering and Management*, 4(3), 73-79.
26. Kissi E., **Adjei-Kumi T.** and Badu E. (2015) "Exploring Cost Planning Practices Adopted by Ghanaian Construction Professionals." *International Journal of Project Organisation and Management*.
27. Buertey, J. I., Mizzah A. K. and **Adjei-Kumi, T.** (2014). "Delays to Large Construction Projects in Ghana: A Risk Overview." *Journal of Civil Engineering and Architecture*, 8 (3): 367-377 ISSN: 1934 7359.
28. Douh S., **Adjei-Kumi T.**, Adinyira E., and Baiden B., (2014). "Criteria and Measurable Indicators for Assessing the Performance of Public Works Contract Award Process in Chad." *International Journal of Construction Engineering and Management*, Vol. 3 No. 2, pp. 57-64. doi:10.5923/j.ijcem.20140302.03
29. Buertey, J. T.I, Abeere-Inga, E. and **Adjei-Kumi, T.** (2012). "Construction Cost Contingency Estimating in Ghana: A Review of Work Sections Prone to Scope

Changes.” *International Journal of Management*, Vol. 3, Issue 1, pp. 237-253. ISSN 0976 – 6367(Print), ISSN 0976 – 6375 (Online)

30. Buertey, J. T.I, Abeere-Inga, E. and **Adjei-Kumi, T.** (2012). “Practical Application of Risk Management Techniques in Infrastructural Delivery: A Case Study of the Ghanaian Construction Industry.” *Journal of Construction Project Management and Innovation*, Vol 2, No. 1, ISSN 22237852
31. Buertey, J. T.I, Abeere-Inga, E. and **Adjei Kumi, T.** (2012). “Estimation Cost Contingency for Construction Projects: The Impact of Systemic and Project Specific Risk”. *Journal of Construction Project Management and Innovation*, Vol 2, No. 1, ISSN 22237852
32. Buertey, J. T.I, Abeere-Inga, E. and **Adjei Kumi, T.** (2012). “Successful Delivery of Infrastructural Projects: Epistemic Overview of Cost Risk and Uncertainties.” *Journal of Civil Engineering and Architecture*, ISSN 1934-7359 Feb. 2012, Volume 6, No. 2 (Serial No. 51), pp. 121–131, USA
33. Buertey, J. T.I, Abeere-Inga, E.; **Adjei Kumi, T.** (2012). “Project Cost contingency estimation in Ghana, an integrated Approach. Science.” *Journal of Civil Engineering and Architecture*, ISSN, 227-6332
34. Buertey, J. I. T., Abeere-Inga, E., and **Adjei-Kumi, T. A.** (2013). “The Financial Impact of Risk Factors Affecting Project Cost Contingency: Evidential Reasoning Method”. *Journal of Engineering, Project, and Production Management*, 3(2), 65-73
35. Agyekum, K., Ayarkwa, J. and **Adjei-Kumi, T.** (2013). “Minimizing materials wastage in construction-A Lean Construction Approach”. *Journal of Engineering and Applied Science*, 5 (1):25-146.
36. Ahadzie, D.K., Kissi, E. and **Adjei-Kumi, T.** (2012). “The Status of Project Management Practices in the Ghanaian Construction Industry” *International Journal of Project Planning and Finance* Vol. 3, Number 1, pp.123-135
37. Buertey J. I. T., Amoa, P. **Adjei Kumi, T.** (2011) “Construction cash flow Prediction Model in Ghana: A Case Study of the District Assembly Common Funded Projects”. *Pentvars Business Journal*, Vol 5, No. 2, pp 87-102.
38. Buertey, J. I. T., and **Adjei Kumi, T.** (2012) “Cashflow Forecasting in the Construction Industry: The Case of Ghana”. *Pentvars Business Journal*, Vol 6, No. 1. pp 65-81.
39. Kpamma, Z. E., **Adjei-Kumi, T.** (2011). “Management of Waste in the Building Design Process: The Ghanaian Consultants' Perspective.” *Architectural Engineering and Design Management* 7(2)102-112. DOI:10.1080/17452007.2011.582333

40. Nani, G., **Adjei-Kumi, T.** and Badu, E. (2009). “Proposed Procedure for Developing Standard Method of Measurement”. *The Ghanaian Surveyor*
41. Owusu, M.D., Badu, E. and **Adjei-Kumi, T.** (2008). “Short Essay on Empirical Finance Research: Current Trends and a Call for Future Studies”. *PentVars Business Journal*, PUC. Vol.4 No.4. pp. 71-87, **ISSN: 0855-9163**
42. Nani, G., Edwards, P.J., **Adjei-Kumi, T.**, Badu, E. and Amoah, P. (2008), “Customisation and Desirable Characteristics of a Standard Method of Measurement for Building Works in Ghana”.*The Australian Journal of Construction Economics & Building*, Vol. 8, No. 2., pp. 30-40.
43. Nani, G., **Adjei-Kumi, T.** and Badu, E. (2008), “Classifying Construction Works for the Purpose of Measurement”, *The Ghana Surveyor*, Vol. 1, No. 2, pp.41-51
44. Osei-Tutu E and **Adjei-Kumi T.** (2001) Cost Trends of Residential Housing Provision in Urban Areas in Ghana from 1991 to 2001. *Journal of Ghana Institution of Surveyors* (The Ghanaian Surveyor), pages 1 – 11.
45. Osei-Tutu E, and **Adjei-Kumi T.**, (2000). “A Rational Procedure for the Selection of Appropriate Procurement Systems in Ghana”. *Journal of Applied Science and Technology*, Vol.5 Nos 1&2, pp. 168 – 176.

Conference Papers

46. Kissi, E., **Adjei-Kumi, T.**, and Badu, E., (2016) Tender Price Index Development: A Critical Literature Review of Models for Prediction *9th cidb Postgraduate Conference on Emerging Trends in Construction Organisational Practices and Project Management Knowledge Areas* Cape Town, South Africa, February,1-4 pp.71-81 ISBN - 978-0-620-69590-9
47. Kpamma, Z.E., **Adjei-Kumi, T.**, Ayarkwa, J., and Adinyira, E. (2015). “Development of A User-Involvement Framework for Design Process: An Exploration of the Design Science Research Paradigm”, *Proc., 4th International Conference on Infrastructure Development in Africa (ICIDA)*, Kumasi, Ghana
48. Kissi E., **Adjei-Kumi T.** and Badu E. (2015). “Critical Barriers to the Practice of Effective Cost Planning in the Ghanaian Construction Industry”, In Sherif M. and Kriengsak P., *6th International Conference on Engineering, Project, and Production Management in Gold Coast*, Australia, September 2-4, pp 291-302
49. Agbesi, K., **Adjei-Kumi, T.** and Fugar, F.D.K.(2015) “Organisational Adoption of Sustainable Procurement in the Construction Industry: Development of a Conceptual Model”, *12th International Postgraduate Research Conference (IPGRC15)*, June,10-12, pp.744-756, ISBN 978-1-907842-72-6

50. Mensah, I., **Adjei-Kumi, T.** and Nani, G. (2015) “Forecasting the Duration for Small Span Bridge Construction Projects Using Artificial Neural Network”, In Laryea, S. and Leiringer R.(Eds) *Procs 6th West Africa Built Environment Research (WABER) Conference*, August,10-12, Accra, Ghana, pp 555-570
51. Kissi E, E. Bannor-Boateng and **Adjei-Kumi T.** (2015). “Strategies for Implementing Value Management in the Construction Industry in Ghana”, *DII Conference on Infrastructure Development and Investment Strategies for Africa*, Livingstone, Zambia September 16-18 pp.255-267, ISBN 978-0-86970-787-6
52. Kpamma, Z.E., **Adjei-Kumi, T.**, Ayarkwa, J., and Adinyira, E. (2014).” Creating, Sustaining and Optimizing the Collaborative Realm for Participatory Design, *Proc., 22nd Annual Conference of the International Group for Lean Construction (IGLC-22)*, Oslo, Norway.16
53. Kpamma, Z.E., **Adjei-Kumi, T.**, Ayarkwa, J., and Adinyira, E. (2014). “Enhancing User- Involvement Through a Multi-Criteria Decision Aid: A Lean Design Research Agenda, *Proc.,22nd Annual Conference of the International Group for Lean Construction (IGLC-22)*, Oslo, Norway.
54. Douh, S., Adinyira, E. and **Adjei-Kumi, T.** (2014). “A Conceptual Framework for Assessing the Effectiveness of Public Works Procurement Process at Pre-Contract Stage in Chad Republic”, In Ejohwomu, O and Oshodi, O (Eds) *Proceedings of the 3rd International Conference on Infrastructure Development in Africa*, March 17-19, 2014 Abeokuta, Nigeria (CIOB endorsed), p. 385-397. ISBN: 978-978-938-173-9
55. Kpamma, Z. E., **Adjei-Kumi, T.** (2013). “Construction Permits and Flow of Projects Within the Sunyani Municipality, Ghana.” *Proceedings, 21st Annual Conference of the International Group for Lean Construction (IGLC- 21)*, Fortaleza, Brazil.
56. M.D. Owusu, Prof E. Badu, and **Adjei-Kumi T.** (2007).” Towards Bridging the “Financing Gap” in Construction Firms in Ghana with Special Reference to Capital Equipment Acquisition Finance, Construction Management and Economics: Past, Present and Future”, *CME25 Conference*, 16th – 18th July University of Reading, UK
57. G. Nani, A. Mills, **Adjei-Kumi, T.** E. Badu, and P. Amoah (2007). “Notes on the Method of Measurement: Special Methods adopted in Ghana for Measurement using SMM5 and SMM6 and Recommendations for SMM7”, *Annual Seminar by the Quantity Surveying Division of the Ghana Institution of Surveyors (GhIS)*, held from 3rd – 4th October, at the La Palm Beach Hotel, Ghana
58. G. Nani, A. Mills, and **Adjei-Kumi, T.** (2007). „Misconceptions about the Use of the Standard Method of Measurement (SMM) in Developing Countries: A Ghanaian Perspective, Construction Management and Economics: Past, Present and Future”, *CME25 Conference*, 16th – 18th July, University of Reading, UK.

59. G. Nani, **Adjei-Kumi, T.** and P. Amoah, (2007) Research in the Built Environment: Which Philosophy? International Symposium towards the Formation of Theory for the Built Environment, *Digital World Centre*, 18th – 19th June Salford, Quaye, UK,
60. G. Nani, **Adjei-Kumi, T.** (2007). “The Challenges of Quantifying Construction Works for Project Control in Ghana”, *CIB World Building Conference held in South Africa on the theme,, Construction for Development*“, Proceedings pp.3134 – 3145
61. E. Adinyira, S. Oteng-Seifah, and **Adjei-Kumi T.** (2007). “Sustainability Assessment of Rural Development: A Review of Methodologies”, *IAMO Forum “Sustainable Rural Development: What is the Role of Agri-food Sector?”*, 27 – 29 June, Halle (Saale), Germany
62. Owusu, M.D., Badu, E., Edwards, D.J, and **Adjei-Kumi, T.** (2007), “Finance for Non-Financial Construction Managers: Empirical Analysis of Financial Variables that Influence Acquisition Decision-Making Process”. *In: Boyd, D (Ed) Procs 23rd ARCOM Annual Conference, 3 -5 September 2007, University of Ulster, Belfast UK. Association of Researchers in Construction Management, Vol.2, pp 567-576*
63. Owusu, M.D., Edwards, D.J, Badu, E., and **Adjei-Kumi, T.** (2007), “Methodological Issues Related to Firms Financing Research”. *In: Fadare Wale and Abiodun Adesanya (Eds) Procs International Conference on Sustainable Built & Natural Environment, 17 -19 January, Obafemi Awolowo University, Ile-Ife, Nigeria. Faculty of Environmental Design & Management, Vol.1 pp 91-101*
64. **Adjei-Kumi T.** and A. Retik, (1997) “A Library-based 4D Visualization of Construction Projects”, *International Conference on Graphic Visualization, South Bank University, 27th - 29th August.*
65. **Adjei-Kumi, T.** A. Retik and A. Shapira, (1996). “Integration of Site-related Tasks into the Planning and Scheduling of Construction Projects”, *International Symposium for the Organization and Management of Construction, CIB W65, Held in Glasgow, August*

Supervision of Student Project Work/Thesis/Research

The following have successfully completed their research, project or thesis under my direct supervision over the years:

6 PhD Candidates
10 MPhil Candidates
60 MSc Candidates
284 BSc Candidates

Service to KNUST Community with dates:

<u>August 2018 – Date</u>	Chairman, Tender Evaluation Panel, KNUST
August 2018 – Date	Member, Land-Use Committee of KNUST
October 2017 – July 2018	Head, Department of Building Technology, KNUST, Kumasi
August 2017 – Present	Chairman, Accreditation and Curriculum Review Committee, College of Art and Built Environment, KNUST.
<u>November, 2015 - Present</u>	Member, Committee for the Development and Implementation of Short Courses/Continuous Professional Education, Institute of Distance Learning (IDL), KNUST.
<u>November, 2015</u>	Chairman, Examinations Moderation Committee for the First Semester Examination for the 2015/16 Academic Year, Department of Building Technology.
<u>November 2015</u>	Chairman, Curriculum Development Committee for the Proposed MSc Construction Project Management Programme, Department of Building Technology.
<u>January, 2015 - Present</u>	Postgraduate Studies Coordinator, Department of Building Technology.
<u>April, 2013:</u>	Member, Committee for the Partial Review of Curriculum for BSc Construction Technology and Management and BSc Quantity Surveying and Construction Economics
<u>Oct. 2012:</u>	Member, Affiliation and Programme Certification Committee on BSc Construction Technology and Engineering Management and BSc Quantity Surveying and Construction Economics programmes from the Pentecost University College.
<u>Aug, 2012 – Dec. 2014</u>	Programme Coordinator, MSc Construction Management, Department of Building Technology.
<u>October, 2011:</u>	Member, Affiliation and Programme Certification Committee on BTech Building Technology programme from the Accra Polytechnic.
<u>Sept, 2011 – Feb 2012:</u>	Chairman, Curriculum Revision Committee for Undergraduate Programmes, Department of Building Technology.
<u>Oct 2006 - Aug. 2008:</u>	Principal Implementer, Teaching and Learning Innovative Fund (TALIF) of value US\$164,000.00 for the upgrade of Teaching and Learning at the Department of Building Technology

<u>Aug. 2006 – Aug. 2012:</u>	Chairman, Board of Directors, University Construction Limited, KNUST, Kumasi
<u>Sept. 2005 – Aug. 2008:</u>	Chairman, Interim Management Committee (IMC) of the Projects Office, College of Architecture and Planning, KNUST, Kumasi.
<u>May, 2004-Aug. 2004:</u>	Leader, Proposal Development Team, Teaching and Learning Innovative Fund (TALIF), Department of Building Technology
<u>Oct. 2003 to Sept. 2004:</u>	Head, Department of Building Technology, KNUST, Kumasi
<u>Oct. 2002 to Sept. 2003:</u> KNUST	Examinations Officer, Department of Building Technology,

Service to National Community with dates:

October 2018 – Present	Member, Value-for-money (VfM) team for various projects at Land Commission and Ministry of Aviation
June 2018 – Nov. 2018	Member, Value for Money (VfM) Team setup by The Vice President_of Ghana.
<u>April. 2015</u> – Present	External Examiner, National Board for Professional and Technician Examinations (NABPTEX).
<u>April. 2015</u> - Present	Moderator, Bachelor of Science Construction Technology Programme at KAAF University College
<u>February. 2015</u>	Chairman, National Accreditation Board Panel to study and assess the proposal for accreditation of the proposed BSc. Quantity Surveying and Construction Economics and BSc Construction Technology and Management Programmes submitted by the Technical University College of Tamale.
<u>February. 2015</u>	External Assessor, Promotion of Personnel from Research Scientist Grade to Senior Research Scientist Grade, Building and Road Research Institute (BRRI) of the Council for Scientific Research Institute (CSIR)
<u>October. 2014</u>	Chairman, National Accreditation Board Panel to study and assess the proposal for re-accreditation of the HND Building Technology Programme submitted by the Ho Polytechnic, Ho.
<u>Dec. 2014</u> - Present	Programme Coordinator, MTech Construction Technology, KNUST/Cape Coast Polytechnic

<u>Oct. 2014 – Present</u>	Part-time Lecturer, Pentecost University College, affiliated to the Department of Building Technology, KNUST, Kumasi
<u>Feb. 2014</u>	Chairman, Curriculum Development Committee for the MTech Construction Technology Programme for Cape Coast Polytechnic.
<u>Jun. 2013 – Present</u>	Member, 4-Member Technical Team responsible for the Publication of Construction Cost Indices for the Computation of Building Cost Fluctuations in Ghana, published by BRR (Ghana) of the CSIR (Ghana)
<u>Mar. 2005-Mar. 2008</u>	Project Quantity Surveyor, Rehabilitation of Elmina Castle Project, Elmina. The Consultancy for this job was awarded to Department of Architecture – KNUST
<u>Sept. 2005 – Aug. 2006</u>	External Assessor, Journal of Polytechnics of Ghana (JOPOG), Ghana
<u>June, 2004</u>	Resource Person, Construction Project Works Management Workshop organized by the Institute of Technical Education (ITE), KNUST
<u>Mar. 2003-May.2004</u>	Contracts Management Specialist, Ghana Poverty Reduction Strategy/Social Investment Fund (GPRS/SIF), Accra

Service to International Community with dates:

June 2020	Ardhi University, Tanzania
June 2019	External Examiner, Logistics and Supply Chain Programme, GIMPA, Accra
June 2018 – Date	Tender Evaluation Panel, Millennium Challenge Account - Liberia
<u>Jan. 2016 - Present</u>	Reviewer, International Journal of Educational Policy Research and Review, http://www.journalissues.org/IJEPRR/ .
<u>Nov. 2014</u>	External Assessor, Cape Penninsula University, Cape Town, South Africa
<u>June 2011 – June 2015</u>	PhD Supervisor, Open University of Malaysia/Advance Institute of Technology (OUM/AIT) for Rev. Dr. Joseph Ignatius Buertey on the topic ‘ ‘

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Grants/Funds won with dates:

Teaching and Learning Innovative Fund (TALIF), October 2006 – August 2008, US\$164,000.00

Research Projects (Current and Past Projects):

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| <p>Current Research Projects</p> <ol style="list-style-type: none">1. Development of Location Indices for the Ghanaian Construction Industry2. Using Artificial Intelligence (AI) for Contractor Prequalification3. Development of Cost Estimation Software for the Construction Industry (Ghana)4. Development of Local Value Management Framework for Ghana5. Achieving sustainability in Project Management6. Development of Housing Affordability Index for Real Estate Industry of Ghana <p>Past Research Projects</p> <ol style="list-style-type: none">1. Development of Tender Prices Indices for Ghana2. Development of Building Cost Indices for determining Contract Price Fluctuations3. Development of Standard Method of Measurement for Ghana4. Development of Assessment tool for Competitive Tendering for Chad |
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Professional Accomplishments

- | |
|---|
| <p>1. ERECTION OF 10,000 AND 20,000 GALLON PRESSED STEEL TANKS FOR GWCL, KUMASI</p> <p>Role: Quantity Surveyor
Date: 06/1999</p> <p>2. RENOVATION OF TEACHER TRAINING COLLEGES IN THE NORTHERN REGIONS OF GHANA</p> <p>Role: Quantity Surveyor
Date: 02/1998 - 03/1999.</p> <p>3. DOCUMENTATION OF ALL GOVERNMENT-FUNDED PROJECTS IN THE UPPER EAST AND WEST REGIONS</p> |
|---|

Role: **Quantity Surveyor**
Date: 08/1998 - 10/1998

4. DEVELOPMENT OF A UNIT COST DATABASE SYSTEM FOR THE COMMUNITY WATER AND SANITATION AGENCY (CWSA)

Role: **Quantity Surveyor**
Date: 04/2000 – 06/2001

5. DESIGN AND CONSTRUCTION SUPERVISION OF THEATRE COMPLEX FOR ST. MARTIN'S HOSPITAL AT AGROYESUM, ASHANTI

Role: **Project Manager**
Date: 11/2002 – 10/2003

6. GHANA POVERTY REDUCTION STRATEGY (GPRS)/SOCIAL INVESTMENT FUND(SIF), FUNDS MANAGEMENT UNIT, FLAGSTAFF HOUSE, ACCRA

Role: **Contracts Management Specialist/ Procurement Officer**
Date: 10/2003 – 08/2004

7. DESIGN AND CONSTRUCTION SUPERVISION OF BANK BUILDING FOR UPPER MANYA KRO RURAL BANK AT ASESEWA, EASTERN REGION

Role: **Project Manager**
Date: 02/2004 – 06/2005

8. REFURBISHMENT OF ELMINA CASTLE AT ELMINA – EUROPEAN UNION INITIATIVE

Role: **Quantity Surveyor**
Date: 04/2005 – 06/2006

9. DESIGN AND CONSTRUCTION SUPERVISION OF NATIONAL HEAD OFFICE BUILDING FOR SINAPI ABA TRUST LIMITED AT NHYIAESO, KUMASI

Role: **Project Manager**
Date: 03/2007 – 08/2008

10. PRE- & POST-CONTRACT CONSULTANCY SERVICE PROVISION FOR 73 NO. INFRASTRUCTURE PROJECTS AT AGONA SWEDRU, KASOA AND APAM FOR SOCIAL INVESTMENT FUND (SIF) FUNDED BY THE AFRICAN DEVELOPMENT BANK (AfDB)

Role: **Project Manager**

Date: 04/2008 – 10/2011

11. MINE DECOMMISSIONING AND RESTORATION PROJECT AT IDUAPRIEM FOR ANGLOGOLD ASHANTI, GHANA

Role: **Project Manager**

Date: 04/2009 – 07/2009

12. MINE DECOMMISSIONING AND RESTORATION PROJECT FOR ANGLOGOLD ASHANTI AT SADEOLA AND YATELA IN MALI

Role: **Project Manager**

Date: 09/2009 – 11/2009

13. MINE RESTORATION PROJECT, VERIFICATION AND VALIDATION REPORT FOR ANGLOGOLD ASHANTI, DAKAR, SENEGAL

Role: **Project Manager**

Date: 01/2010 – 03/2010

14. PRE- & POST-CONTRACT CONSULTANCY SERVICE PROVISION FOR 20 NO. INFRASTRUCTURE PROJECTS AT SEKONDI-TAKORADI METROPOLIS FOR SOCIAL INVESTMENT FUND (SIF) FUNDED BY THE AFRICAN DEVELOPMENT BANK (AfDB)

Role: **Project Manager**

Date: 11/2010 – 10/2012

15. POST-CONTRACT CONSULTANCY SERVICE PROVISION FOR THE CONSTRUCTION OF STORM DRAIN AT THE ENCLAVE FOR GHANA FREEZONES BOARD (GFZB) FUNDED BY EDIF

Role: **Project Manager**

Date: 11/2011 – 10/2012

16. PRE- & POST-CONTRACT CONSULTANCY SERVICE PROVISION FOR 30 NO. EDUCATIONAL FACILITIES AT SELECTED VOCATIONAL AND TECHNICAL INSTITUTIONS IN GHANA FUNDED BY THE AFRICAN DEVELOPMENT BANK (AfDB)

Role: **Project Manager**

Date: 01/2015 – 06/2018

17. PRE-CONTRACT CONSULTANCY SERVICE PROVISION FOR THE DESIGN OF AKYEM VOCATIONAL TRAINING INSTITUTE FOR NEWMONT AKYEM DEVELOPMENT FOUNDATION AT ADAUSENA,

Role: **Project Manager**
Date: 08/2018 – ongoing

18. CONSULTANCY SERVICES FOR THE DETAILED ENGINEERING DESIGN AND CONSTRUCTION SUPERVISION FOR THE AMELIORATION OF OTI LANDFILL SITE IN KUMASI, GHANA

Role: **Project Manager**
Date: 12/2016 – 04/2018

19. CONSULTANCY SERVICES FOR THE DETAILED ENGINEERING DESIGN AND CONSTRUCTION SUPERVISION FOR THE TEN (10) NO. YOUTH RESOURCE CENTRES FOR THE MINISTRY OF YOUTH AND SPORTS, GHANA

Role: **Quantity Surveyor**
Date: 2018 – Present

REFEREES

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