**BIODATA OF SENIOR MEMBERS**

**Name:** Peter Amoah

**Department:** Construction Technology and Management

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|  | **Office Address:** | Department of Construction Technology and Management  KNUST, Kumasi |
| **Email:** | [peteramoah@knust.edu.gh](mailto:peteramoah@knust.edu.gh) |
| [amoahp@gmail.com](mailto:amoahp@gmail.com)  amoahp@yahoo.com |
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| **Personal Website/Blog:** |  |
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**Qualifications (Degree/Education) with dates:**

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| **Academic Degrees** | **Date** |
| 1. M.Sc Construction Management | Feb., 2000 |
| 1. BSc Building Technology (Second Class Lower Division) | Oct., 1982 |
| 1. GCE ‘A’ Level | June, 1978 |
| 1. GCE ‘O’ Level | June, 1977 |

**Institutions of Study with dates:**

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| **Institution** | **Date** |
| 1. Kwame Nkrumah University of Science and Technology, KNUST | 1997–1999 |
| 1. University of Science and Technology, Kumasi, Ghana | 1979 –1982 |
| 1. Opoku Ware Secondary School, Kumasi, Ghana | 1971 – 1978 |

**Area of Specialty:**

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| Quantity Surveying |
| Project Cost Management |
| Construction Procurement |

**Research Interest (Where Applicable):**

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| Quantity Surveying |
| Project Cost Management |
| Construction Procurement |

**Area of Interest (Where Applicable):**

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| Quantity Surveying |
| Project Cost Management |
| Construction Procurement |

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

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| **Academic rank** | **Date** |
| 1. Senior Lecturer, Department of Building Technology, Kwame Nkrumah University of Science and Technology, Kumasi | Aug, 2014 – Present: |
| 1. Lecturer, Department of Building Technology, Kwame Nkrumah University of Science and Technology, Kumasi | Oct. 1999 – July 2014 |

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

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| **First Semester**  QSCE 261: Introduction Building Measurement (3 Credit Hrs)  QSCE 451: Construction Administration and Professional Practices I (3 Credit Hrs)  MPM 551: Managerial Economics (3 Credit Hrs)  **Second Semester**  CM 262: Measurement of Construction Work I (3 Credit Hrs)  QSCE 454: Construction Administration and Professional Practices II (3 Credit Hrs)  MPM 568: Procurement of Goods and Services (3 Credit Hrs)  MPM 554: Contract Administration (3 Credit Hrs) |

**Positions held (with dates):**

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|  | **Moderator,** BSc Construction Technology programme at KAAF University College, Kasoa, 2018 to Date |
|  | **Acting Chief Quantity Surveyor,** KNUST, 2018 to Date |
|  | **Advisory Member,** Technical Reports on Draft Public Private Partnership (PPP)., KNUST, 2017 |
|  | **Coordinator,** MSc Procurement Management Programme Coordinator, Department of Building Technology, KNUST-Kumasi, 2015 |
|  | **Coordinator,** Institute of Distance Learning, KNUST, 2015 |
|  | **Member,** Chairmanship Appointment for Finance and Revenue Mobilization Committee, CABE-KNUST, 2017 |
|  | **Chairman,** College Procurement Committee, CABE-KNUST, 2016 to Date |
|  | **Member,** College Projects Committee, CABE-KNUST, 2016 to Date |
|  | **Chairman,** Department Budget Committee, BT-KNUST, 2016 to Date |
|  | **Chairman,** Accreditation and Curriculum Development Committee, BT-KNUST, 2016 |
|  | **Member,** Committee to Review Doctor of Philosophy (PhD) Programme in the Department of Architecture, KNUST,2015 |

**Honours & Awards:** None

**Achievements:**

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| Pioneer Research Funds |
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**Associations/Affiliations *(Contribution and Current Position)*:**

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| **Membership/Title** | **Date** |
| 1. FGhIS (Fellow - Ghana Institution of Surveyors) | 2010 - Present |
| 1. MGhIS (Member – Ghana Institution of Surveyors) | 1996 – 2010 |
| 1. MFIG (Member, International Federation of Surveyors) | 1999 – Present |
| 1. MGIOC (Corporate Member – Ghana Institute of Construction) | 1995 – 2004 |
| 1. FGIOC (Fellow Ghana Institute of Construction) | 2004-Present |

**Publications (or Articles):**

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| **Journal Papers**   1. Ataa Fordjour G., Albert P. C. C., and **Amoah P.** Exploring the need for Occupational Psychological Health Management and Interventions in the Construction Industry: An Empirical Study in Ghana. *Journal Mental Health and Clinical Psychology Vol.3., Iss.2* ***(Accepted for Publication)*** 2. Ataa Fordjour G., Albert P. C. C., and **Amoah P**. Coping strategies adopted by construction employees to deal with the causes and effects of occupational psychological disorders: A study in Ghana. *Health* ***(Accepted for Publication)*** 3. Ataa Fordjour G., Albert P. C. C., and **Amoah P.** Exploring Personal Factors that Might Influence the Vulnerability of Construction Employees to Occupational Psychological Disorders. *Health* ***(Accepted for Publication)*** 4. Ernest, K., Theophilus, A. K., **Amoah, P.,** and Emmanuel, B. B. (2018). “Identifying Key Economic Indicators Influencing Tender Price Index Prediction in the Building Industry: A Case Study of Ghana”. *International Journal of Construction Management*, 19(2), pp.106-112. 5. Kissi, E., Adjei-Kumi, T., **Amoah, P.,** and Jerry J, (2018). “Forecasting Construction Tender Price Index in Ghana using Autoregressive Integrated Moving Average with Exogenous Variables Model”. *Australasian Journal of Construction Economics and Building*. Vol. 18. pp 70-82. 6. Kissi, E., Adjei-Kumi, T., **Amoah, P.,** and Boateng, E. E. (2017). “Assessment of Critical Barriers to Tender Price Indices Development in the Ghanaian Building Industry”. *Journal of Construction Project Management and Innovation.* Vol.7. pp. 1933-1953. 7. Agyekum, K., Ayarkwa, J., and **Amoah, P.,** (2016). “Challenges to Fire Safety Management in Multi-Storey Students' Hostels”. *Modern Management Science and Engineering*. Vol. 4. pp. 2052-2576. 8. Adjarko, H., Agyekum, K., Ayarkwa, J., and **Amoah, P.** (2016). “Implementation of Environmentally Sustainable Construction Principles (ESCPs) in the Ghanaian Construction Industry”. *International Journal of Engineering and Management Research (1JEMR),* 6(2), pp. 585-593. 9. Agyekum, K., Ayarkwa, J., and **Amoah, P.** (2016). “Post Occupancy Evaluation of Postgraduate Students ‘Hostel Facilities and Services”. *Journal of Building Performance*, 7(1). pp 91-104 10. Ayarkwa, J., Dansoh, A., Adinyira, E. and **Amoah, P**. (2011). “Performance of Building Technology Graduates in the Construction Industry in Ghana”, *Education and Training, Vol. 53*, No. 6, pp. 531 – 545. 11. **Amoah P**., Ahadzie, D. K. and Dansoh, A. (2011). “The Factors Affecting Construction Performance in Ghana: The Perspective of Small – Scale Building Contractors”, *The Ghana Surveyor, Vol. 4*, No. 1, pp. 41 – 48. 12. Buertey, J. T. I, Adjei–Kumi, T. and **Amoah, P** (2011). “Construction Cash Flow Prediction Model in Ghana: A Case Study of the District Assembly Common Funded Project”, *PENTVARS Journal, Vol. 5*, No. 2, pp. 87 – 101. 13. Ayarkwa, J., Dansoh, A. and **Amoah, P**. (2010). “Barriers to Implementation of EMS in Construction Industry in Ghana”, *International Journal of Engineering Science*, Vol. 2 (4). pp. 37 – 45 14. 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 and Building*, Vol. 8, Issue 2, pp. 30 – 40. 15. Badu, E. and **Amoah, P**. (2004). “An Integrated Approach to Mark–Up Determination for Large Building Contractors in Ghana”, *Journal of Science and Technology, Kumasi*, Vol. 24, No. 1, pp. 93 – 105. 16. Badu, E., **Amoah, P**. and Frimpong–Gyamfi, G. (2004). “Risk Sharing in Ghanaian Construction Contracts”, *The Ghana Surveyor*, Issue 1, pp. 1-12   **Conference Papers**   1. Ataa Fordjour G., Albert P. C. C., and **Amoah P.,** Exploring the Need for Occupational Psychological Health Management and Interventions in the Construction Industry: An Empirical Study in Ghana. *The International Council for Research and Innovation in Building and Construction (CIB) CIB World Building Congress* 2019 will be held on 17-21 June 2019 ***(Accepted for Publication)*** 2. **Amoah P.,** Kissi E. & Oteng D. (2018) Exploring the Drivers of Adaptation and Retrofitting of Existing Buildings in Ghana, *in: Gorse, C and Neilson, C J (Eds) Proceeding of the 34th Annual ARCOM Conference, 3-5 September 2018*, Belfast, UK, Association of Researchers in Construction Management, 255-264 3. Agyekum, K., Ayarkwa, J., and **Amoah, P** (2016). “Fire Safety Awareness and Management in Multi-Storey Students' Hostels”. Infrastructure as a Driver for Economic Growth and Integration in African: What is the Way Forward, *3rd International Conference on Infrastructure Development in Africa*, pp 426-436 4. Mensah, S., Dansoh, A., and **Amoah, P.** (2011). “Performance of Building Projects funded by Public Organisations: Potentially Influencing Management Practices”, *West Africa Built Environment Research (WABER) Conference*, 19 – 21 July 2011, Accra, Ghana, 783 – 793 5. Sidik, M. A, **Amoah, P.,** Fugar, F.D.K, and Ahadzie, D.K., (2010). “Underlying factors for contractor selection in Ghana”, In Proceedings: 1st Postgraduate Research Conference on the Built Environment, Faculty of Architecture and Building Technology, KNUST, Kumasi, 3-4 June, 2010, pp 277 – 295. 6. Buertey, J.T.I., **Amoah, P.** and Adjei–Kumi, T. (2010). “Contractors’ cash flow on construction projects in Ghana: Management of Deviations and Constraints”, In Proceedings: *1st Postgraduate Research Conference on the Built Environment. Faculty of Architecture and Building Technology*, KNUST, Kumasi, 3 – 4 June, 2010, pp. 174 – 188 7. Ayarkwa, J., Ayirebi, D., and **Amoah, P.** (2010). “Barriers to implementation of EMS in construction industry in Ghana”, In Proceedings: Fourth International Conference on Scientific and Industrial Studies, April 14 – 15, 2010, Abuja, Nigeria. 8. Dansoh, A., and **Amoah, P.** (2010). “Relationship and Knowledge flows in Innovation by manufacturing suppliers to construction Projects”, *Proceedings of Construction and Building Research Conference (COBRA – 2010)* RICS, Paris. 9. Oduro Asamoah, R., Osei–Tutu, E. and **Amoah, P.** (2009). “Elemental Cost Estimating and Analysis of Building Works in Ghana: A case study of Concrete Beams, Columns and Slabs of Some selected Projects in Ashanti Region”, *In Proceedings of the 2009, National Housing Conference, Accra*, 7- 8 October, 2009, pp. 183 – 191. 10. Nani, G., Adjei–Kumi, T. and **Amoah, P.** (2007). “Research in the Built Environment: Which Philosophy?”, In Proceedings: *International Symposium towards the formation of theory for the Built Environment,* 18 – 19 June 2007, Digital World Center, Salford, Quaye. 11. Oppong, R.A. and **Amoah, P.** (2007). “Atrophied Human Settlements and Appropriate Housing Development: Lessons from Sefwi Asawinso, Ghana”, *Commonwealth Association of Surveying and Land Economy and Institution of Surveyors of Uganda Conference*, November 16 – 17, 2007 at Seeta – Mukano, Uganda 12. Badu, E. and **Amoah, P.** (2003). “Quantity Surveying Education in Ghana”, The Ghana Institution of Surveyors in conjunction with the Africa Association of *Quantity Surveyors and the International Cost Engineering Council (Region 3 – Africa) International Conference*, July 7 – 10, 2003 at Accra. Published in INTERNATIONAL ROUND UP: The Electronic Journal of the International Cost Engineering Council(www.icec@coste.org) and reprinted in the GhIS Quantity Surveying Divisional Newsletter, Issue 1 – 2003 13. Badu, E. and **Amoah, P.** (2002). “Development Control in Urban Ghana: Relevance and Problems”, *Sub – Regional Training Workshop on Urban Land Planning and Management* organised by Institute of Local Government Studies, Accra, May 29, 2002. 14. Badu, E. and **Amoah, P.** (1999). “Professional Development for Practicing Quantity Surveyors and Builders”, *International Association for Professional Management of Construction (IAPMC) Conference*, Sydney, September, 1999 |

**Grants/Funds won with dates:** None

**Research Projects *(Current and Past Projects)*:**

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| ***Current Projects*** | | |
|  | The Use of Modern Building Technology in Ghana and The Possible Impact on the Housing Industry in Ghana. | *On-going* |
|  | Training of Artisans in The Informal Sector of the Construction Industry. | *On-going* |
|  | The Practice of Time Management on Construction Project in Ghana | *On-going* |
|  | Strategies for Building Adaptation to Climate Change Impacts | *On-going* |
|  | Causes of Government of Ghana Construction Project Failures and Abandonment | *On-going* |
|  | The Slum Revamp: An Approach to improve upon living conditions of poor dwellers | *On-going* |
|  | Factors influencing the final Cost of Construction Projects in Ghana | *On-going* |
|  | Tackling Living Space Internal Thermal Discomfort from The Material and Construction Perspective in Savannah Regions: A Case Study in the Upper East, Ghana. | *On-going* |
|  | Quality Assurance and Control in Concrete Production in the Construction Industry | *On-going* |
|  | An Investigation into the Factors Affecting Contractors Tender for Construction Projects in Ghana | *On-going* |
|  | Effective Materials Management of Concrete Works in the Ghanaian Construction Industry | *On-going* |
|  | Comparison Among Different Financial Models in Construction. Build –Operate- Transfer (Bot), Build –Own –Operate-Transfer (Boot) And Build-Own-Operate (Boo) | *On-going* |
|  | Management of Risks in Construction Projects | *On-going* |
|  | Plaster Disintegration and Peeling Off Paints on Buildings in Ghana | *On-going* |
|  | Challenges in the Execution of public Sector Housing Projects in Ghana | *On-going* |
|  | Poor Building Maintenance in Ghana: Are Construction Managers Free from Blame? | *On-going* |
|  | Challenges Faced by Contractors in Obtaining Licences for Business Operation | *On-going* |
| ***Past Projects*** | | |
|  | Assessment of Maintenance Management Practices of Public Institution Buildings: A Case Study of Cape Coast Metro Hospital, Bakaano | *Completed* |
|  | The Impact of Industralised Building Systems in Sustainable Construction Waste Management in Ghana | *Completed* |
|  | Assessing the Impact of Construction Activities on the Surrounding Environment | *Completed* |
|  | Standardization of Fresh Concrete Production in the Construction Inductry in Ghana | *Completed* |
|  | Construction Audit - An Essential Project Management Control Tool | *Completed* |
|  | An investigation in the Effective Solid Waste Disposal in High-Rise Buildings: The Case of Accra Polytechnic Area | *Completed* |
|  | Minimisation of Construction Waste Through Green Construction Techniques | *Completed* |
|  | The Application of Information and Communication Technology (ICT) in the Management of Public Procurement of Works. Case Study: Selected MMDAs in Ghana | *Completed* |