

BISMARCK DUODU (PhD)

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EDUCATION

- 01-2013-03-2017** University of Hong Kong, HK SAR, China, PhD in Construction Management , The Department of Real Estate and Construction
Thesis Title: “Intellectual capital and innovation in construction firms: the role of learning capability.”
- 10-2010-10-2011** Loughborough University, MSc in Construction Project Management, School of Civil and Building Engineering
Theses title: “Potential for onsite automation in construction.”
- 09-2006-09-2007** The University of Nottingham, Nottingham, UK, MSc in Environmental Engineering, School of Chemical and Environmental Engineering
Thesis title: A critical assessment of the use of UK-ADMS to the Prediction of Haulage Road Transport Events within a working quarry
- 09-2001-05-2005** Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, BSc in Building Technology, Department of Construction Technology and Management (formally Department of Building Technology)
Achievements: first-class honors, dean’s list for four years, Ghana Institution of Surveyors best graduating student in quantity surveying award

PROFESSIONAL APPOINTMENTS

- 10-2020-** Lecturer, Department of Construction Technology and Management, Kwame Nkrumah University of Science and Technology, Ghana
- 12-2019-05-2020** Part-time Lecturer, Department of Real Estate and Construction, The University of Hong Kong.
- 08-2019-12-2019** Part-time Senior Research Assistant (23hrs/week), Department of Real Estate and Construction, The University of Hong Kong.
- 08-2017-08-2019** Post-doctoral Fellow, Department of Real Estate and Construction, The University of Hong Kong.
- 03-2017-08-2017** Part-time Research Assistant (20hrs/week), Department of Real Estate and Construction, The University of Hong Kong.
- 03-2012-12-2012.** Lecturer, Department of Building Technology, Accra Technical University, Ghana
- 03-2012-10-2012** Part time Lecturer, Department of Construction Technology, KAAF University College ,Buduburam, Central Region, Ghana.
- 09-2008-10-2010** Lecturer, Department of Civil Engineering, Bolgatanga Polytechnic, Ghana.
- 09-2005-07-2006** Teaching and Research Assistant, Department of Construction Technology and Management (formally Department of Building Technology), Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Peer-reviewed journal articles

- **Duodu, B.** and Rowlinson, S. (2021). Opening up the innovation process in construction firms: external knowledge sources and dual innovation. *Journal of Construction Engineering and Management*. [https://doi.org/10.1061/\(ASCE\)CO.1943-7862.0002108](https://doi.org/10.1061/(ASCE)CO.1943-7862.0002108) (IF= 3.951)
- **Duodu, B.** and Rowlinson, S. (2021). Intellectual capital, innovation and performance in construction contracting firms. *Journal of Management in Engineering*,37(1). [https://doi.org/10.1061/\(ASCE\)ME.1943-5479.0000864](https://doi.org/10.1061/(ASCE)ME.1943-5479.0000864), (IF = 6.853)
- Sumanarathna, N., **Duodu, B.** and Rowlinson, S. (2020). Social Capital, Exploratory and Exploitative Learning in Project-Based Firms: The Mediating Effect of Collaborative Environment. *The Learning Organisation*. 27(4),351-364,<https://doi.org/10.1108/TLO-03-2020-0033> (Citescore=5.1)

- **Duodu, B.** and Rowlinson, S. (2019). Intellectual capital for exploratory and exploitative innovation: Exploring linear and quadratic effects in construction contractor firms. *Journal of Intellectual Capital*, 20(3), 382-405. <https://doi.org/10.1108/JIC-08-2018-0144> (IF = 7.198)
- **Duodu, B.** and Rowlinson, S. (2019). The effect of social capital on exploratory and exploitative innovation: Modelling the mediating role of absorptive capability. *European Journal of Innovation Management*. 24(3),649-674. <https://doi.org/10.1108/EJIM-08-2018-0178> (IF = 4.691)

Peer-reviewed conference papers

- **Duodu, B.** and Rowlinson, S. (2020). High-performance work systems, intra-firm social capital and individual outcomes: a conceptual framework. Working Paper Proceedings, Engineering Project Organization Conference (EPOC), October 2020
- Manjula, N.H.C., **Duodu, B.** and Rowlinson, S. (2020). Project social capital, work engagement and safety behaviours: A conceptual model. Working Paper Proceedings, Engineering Project Organization Conference (EPOC), October 2020
- **Duodu, B.** and Rowlinson, S. (2019). External knowledge sources as antecedents of exploratory and exploitative innovation in construction contractor firms. Working Paper Proceedings, Engineering Project Organization Conference (EPOC), June 25-27, 2019 – Vail, Colorado, USA
- Manjula, N.H.C., **Duodu, B.** and Rowlinson, S. (2019). An investigation of unsafe behaviours among Sri Lankan construction workers, Proceedings of the 23rd CIB World Building Congress, June 17- 21, Hong Kong SAR
- **Duodu, B.** and Rowlinson, S. (2016). Intellectual capital and innovation in construction organisations: A Conceptual Framework. In Kaminsky, J and Zerjav, V (Eds). Working Paper Proceedings, Engineering Project Organization Conference (EPOC), June 28-30, Cle Elum, Washington, USA
- **Duodu, B.** and Rowlinson, S. (2016). Modelling the process of innovation in construction: Framework and research agenda. Proceedings of the 20th CIB World Building Congress, May 30- June 3, Tampere, Finland.

GRANTS AND FELLOWSHIPS

- Co-investigator (With Chair Professor Rowlinson, Steve, HKU). High-performance work systems, intellectual capital and performance outcomes in construction firms-a multilevel study, HK\$ 66,570, Seed fund for basic research, The University of Hong Kong, March 2019-February 2020

CONFERENCES AND SEMINARS

- Presenter at the Engineering Project Organisation Conference, Vail, Colorado, USA, June 25-27th,2019
- Presenter at the 20th CIB World Building Congress, Tampere Finland, May-June 2016
- Attendee of the 1st International Construction Innovation Conference - Explore, Exchange, Excel. The University of Hong Kong, December 2015
- CPD Certificate for Participation in Lighthouse club conference titled “Managing Health and Safety and Commercial Risks Effectively”, May 2015
- Participation in the International Transferable Research Skills Development course, organized by the HKU Graduate School in conjunction with Imperial College London, IIT Ropar and Shanghai Jiaotong University, July 2013
- Attendee at the 4th Biennial Conference of Ecological Economists, Creating Sustainability within our Mist: A Challenge of the 21st Century. Pace University, New York City, NY, USA, July 2007

ACADEMIC AND RESEARCH ACTIVITIES

- **Reviewer for international Journals:** Journal of Knowledge Management, International Journal of Real Estate Studies
- **Reviewer for international conferences:** Engineering Project Organisation Conference, West Africa Built Environment Conference