



ROBERT OSEI-KYEI

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Robert Osei-Kyei graduated from Kwame Nkrumah University of Science and Technology (KNUST) (Ghana) in 2012 with a Bachelor of Science in Construction Technology and Management (First Class Honours). He worked as a Teaching/Research Assistant in KNUST from 2012 to 2013. Robert started his Master of Philosophy degree (Building Technology) in 2013 at KNUST but was subsequently awarded The Hong Kong PhD Fellowship Scheme 2014/15, which is jointly funded by The Hong Kong Polytechnic University and Research Grants Council. He is a student member of the Royal Institute of Chartered Surveyors (RICS), Chartered Institute of Builders (CIOB), International Council for Building (CIB) and a full member of the Ghana Institute of Construction (GIOC).

Supervisor

Ir. Prof. Albert P.C Chan

Area of Research

Public-Private Partnerships
Procurement methods

Research Scope

Public-Private Partnership (PPP) is increasingly been adopted by governments globally for infrastructure development and the Government of Ghana (GoG) is no exception. However, since 2004 few public construction projects have been procured through the PPP scheme, with many of the initiated ones not proceeding successfully to the implementation stage. The slow development of PPPs in Ghana is attributed to the lack of understanding and knowledge on how PPPs are procured within the Ghanaian context. In this regard my PhD research project aims to develop a best practice framework for PPP implementation in Ghana drawing on international experiences specifically from Hong Kong.

Research Methodology

The PhD research project adopts a comprehensive literature review, interviews, case study and questionnaire survey. Analytical techniques including Fuzzy Synthetic Evaluation, Multiple regression analysis and non-parametric tests would be used to develop a Success Index equation for PPP projects, predictive model for PPP projects success and compare PPP practices in developing and developed countries using Ghana and Hong Kong as a case study.

Prizes and Awards

1. **Best presentation/paper award** at the 15th Academic Conference for Post-graduate students in Construction Management and Real Estate, Organized by PolyU CIB student chapter. Paper title: Developing a

Project Success Index for Public-Private Partnership Projects in developing countries: A Fuzzy Synthetic Evaluation Approach.

2. **Best Presenter award** at the 15th Academic Conference for Post-graduate students in Construction Management and Real Estate, Organized by PolyU CIB student chapter (Based on voting by audience).

3. **Hong Kong PhD Fellowship Scheme** (2014/2015)

Publication List

A. Refereed Journals

1. **Osei-Kyei, R.** and Chan, A. P. C. (2017). Developing a Project Success Index for Public-Private Partnership projects in Developing Countries. *ASCE's Journal of Infrastructure Systems*, doi: 10.1061/(ASCE)IS.1943-555X.0000388
2. **Osei-Kyei, R.** and Chan, A. P. C. (2017). Stakeholders' Perspectives on the Success Criteria for Public-Private Partnership Projects. *International Journal of Strategic Property Management*, Manuscript ID: TSPM-2016-0050 (In press).
3. **Osei-Kyei, R.** and Chan, A. P. C. (2017). Comparative analysis of the Success Criteria for Public-Private Partnership Projects in Ghana and Hong Kong. *Project Management Journal*, doi: PMJ-16-0263 (In press)
4. **Osei-Kyei, R.** and Chan, A. P. C. (2017). Empirical Comparison of Critical Success Factors for Public-Private Partnerships in developing and developed countries: A Case of Ghana and Hong Kong. *Engineering, Construction and Architectural Management*, doi: ECAM-06-2016-0144 (In press).
5. **Osei-Kyei, R.**, Chan, A. P. C and Ameyaw E.E. (2017). A Fuzzy Synthetic Evaluation Analysis of Operational Management Critical Success Factors for Public-Private Partnership infrastructure projects. *Benchmarking: An International Journal*, doi: BIJ-07-2016-0111 (In press).
6. **Osei-Kyei, R.** and Chan, A. P. C. (2017). Risk Assessment in Public-Private Partnership Infrastructure Projects: Empirical comparison between Ghana and Hong Kong. *Construction Innovation: Information, Process, Management*, Vol. 17, Iss. 2, doi: 10.1108/CI-08-2016-0043.
7. **Osei-Kyei, R.**, and Chan, A. P. C. (2017). Factors attracting private sector investments in Public-Private Partnerships in developing countries: A Survey of International Experts. *Journal of Financial Management of Property and Construction*, Vol. 22, Iss. 1.
8. **Osei-Kyei R.** and Chan A.P.C. (2017). Implementation constraints in Public Private Partnership: Empirical comparison between developing and developed economies/countries. *Journal of Facilities Management*, Vol. 15, Iss.1.
9. **Osei-Kyei, R.** and Chan, A. P. C. (2017). Perceptions of Stakeholders on the Critical Success Factors for Operational Management of Public-Private Partnership Projects, *Facilities*, Vol. 35, Iss. 1.
10. **Osei-Kyei R.**, Chan A.P.C, Javed A.A. and Ameyaw E.E (2017). Critical Success Criteria for PPP projects: International experts' opinion. *International Journal of Strategic Property Management*, Vol. 21 (1), doi.org/10.3846/1648715X.2016.1246388
11. **Osei-Kyei R.** and Chan A.P.C. (2016). Implementing public-private partnership (PPP) policy for public construction projects in Ghana: critical success factors and policy implications. *International Journal of Construction Management*, pp. 1-11, <http://dx.doi.org/10.1080/15623599.2016.1207865>.
12. **Osei-Kyei R.** and Chan, A. P. C. (2015). Review of studies on the Critical Success Factors for Public-Private Partnership (PPP) projects from 1990 to 2013, *International Journal of Project Management*, Vol. 33, Issue 6, pp. 1335-1346.
13. **Osei-Kyei, R.**, and Chan, A. P. C. (2015). Developing Transport Infrastructure in Sub-Saharan Africa through Public-Private Partnerships: Policy Practice and Implications, *Transport Reviews*, pp. 1-17.

14. **Osei-Kyei R.**, Dansoh, A. and Ofori-Kuragu, J. K. (2014). Reasons for adopting Public-Private Partnership (PPP) for construction projects in Ghana. *International Journal of Construction Management*, 14(4), 227-238.

B. Conference Papers

1. **Osei-Kyei, R.** and Chan, A. P. C. (2015). *Comprehensive review of Critical Success Factors for Public-Private Partnership Projects*. Second International Conference on Sustainable Urbanization (ICSU 2015), Hong Kong, China 7-9 January 2015; 01/2015.
2. **Osei-Kyei, R.** and Chan, A. P. C. (2016). *Determining the Project Success Index of Public-Private Partnership projects using Fuzzy Synthetic Evaluation Approach*. 15th Academic Conference for Post-Graduate students in Construction Management and Real Estate, 22nd June, 2016, Hong Kong.
3. **Osei-Kyei, R.** and Chan, A. P. C. (2016). *Criteria for measuring the success of Public-Private Partnership Infrastructure Projects*. RICS COBRA Conference, 19th to 21st September, 2016, Toronto, Canada.
4. **Osei-Kyei, R.** and Chan, A. P. C. (2016). *Comparing the Critical Success Factors for Public-Private Partnership Projects in developing and developed countries: The case of Ghana and Hong Kong*. CRIOCM 2016 21st International conference on Advancement of Construction Management and Real Estate, 14th -17th December 2016, Hong Kong.

Active Reviewer for Internationally Recognized Journals

1. Project Management Journal (2016 – present)
2. Construction Economics and Building (2016- present)
3. International Journal of Strategic Property Management (2016- present)
4. International Journal of Project Management (2015 – present)
5. International Journal of Construction Management (2015 – present)
6. Journal of Engineering Design and Technology (2013 – present)
7. ASCE's Journal of Infrastructure Systems (2017-present)

Hobbies

Playing Video games (Soccer)

Watching movies

Listening to political debates