Hafiz Zahoor Ahmad KHAN

https://hk.linkedin.com/in/hafiz-zahoor-ahmad-khan-0354a835
https://www.researchgate.net/profile/Hafiz_Zahoor_Ahmad_Khan
https://scholar.google.com.pk/citations?user=J7xT9KYAAAAJ&hl=en

Tel.: (852) 3400 8130
E-mail addresses: zahoor.khan@connect.polyu.hk; szahoorahmadkhan@gmail.com

I graduated as a Civil Engineer in October 1998 with 1st class honors from National University of Sciences and Technology (NUST), Islamabad, Pakistan. Since then, I am permanently employed in a Government department of Pakistan. I have worked on various projects including the construction of buildings, roads, tunnel and post-earthquake rehabilitation works. I also have the honor to represent my country in the United Nation mission in Liberia and undertook the infrastructure rehabilitation and maintenance works for a period of one year in 2006. Later, I did Masters in Construction Engineering and Management with 1st class honors in April 2012. During my master studies, I have effectively contributed to the establishment of 'Construction Management and Safety Research Centre (CMSRC)' at NUST <http://cmsrc.nit.nust.edu.pk/Research.aspx>. Currently, I am on a 3-year study leave to pursue my PhD studies in the Department of Building and Real Estate at The Hong Kong Polytechnic University. My research interests include construction health and safety, risk management, overseas construction, and rehabilitation works.

Supervisor

Ir Prof. Albert P.C. Chan

Area of Research

Investigating the relationship between safety climate and safety performance in the construction of multi-storey buildings in Pakistan

Research Scope

My research is focused on determining the specific dimensions of safety climate, followed by developing an industry-specific safety performance measurement model for the construction industry of Pakistan. The comparison of identified safety climate constructs with similar studies in Hong Kong and other countries would reveal the deviations in the safety climate dimensions. The study would also identify the contributory factors of accident causation and recommend the strategies for enhancing the safety performance of the construction industry.

Research Methodology

The research is started with a comprehensive literature review followed by the data collection and analysis, using the qualitative and quantitative research methods. Contributory factors of accident causations are identified through a triangulation strategy encompassing the literature review, semi-structured interviews and Delphi survey. The questionnaire survey data, collected from under-construction building projects, are analyzed using exploratory and confirmatory factor analysis. The derived factor structure of safety climate is then compared with other studies to analyze the variances in factor structure. To investigate the causal relationship between safety climate and safety performance, a hypothesized safety performance measurement model is tested using the Analysis of Moments Structure. Finally, the strategies are recommended for enhancing the safety performance in the construction of multi-storey buildings in Pakistan.

Prizes and Awards

1. 2014/2015 PolyU International Postgraduate Scholarship.
2. Occupational Safety & Health Student Research Scholarship for the Academic Year 2014.
3. Gold Medal in Masters studies at NUST, Pakistan. <http://goo.gl/90ho7w>

Publication List

Zahoor, H., Chan, A.P.C., Utama, W.P., Gao, R. and Memon, S.A. (accepted). The determinants of safety climate for building projects: A SEM-based cross-validation study. *Journal of Construction Engineering and Management* (MS # COENG-5161R2).

Zahoor, H., Chan, A.P.C., Gao, R. and Utama, W.P. (accepted). The Factors contributing to construction accidents in Pakistan: Their prioritization using the Delphi technique. *Engineering, Construction and Architectural Management*.

Choudhry, R.M., and **Zahoor, H.** (2016). Strengths and weaknesses of safety practices to improve safety performance in construction projects in Pakistan. *Journal of Professional Issues in Engineering Education and Practice*, 142(4) 04016011. <https://goo.gl/1Nd8th>

Zahoor, H., Chan, A.P.C., Masood, R., Choudhry, R.M., Javed, A.A., and Utama, W. P. (2016). Occupational safety and health performance in the Pakistani construction industry: stakeholders' perspective. *International Journal of Construction Management*, 16(3) 209-219. <https://goo.gl/3DU19z>

Zahoor, H., Chan, A.P.C., Utama, W.P. and Gao, R. (2015). A research framework for investigating the relationship between safety climate and safety performance in the construction of multi-storey buildings in Pakistan. *Procedia Engineering*, 118, 581-589. <http://goo.gl/DKjnmm>

Zahoor, H., Chan, A.P.C., Choudhry, R.M., Utama, W.P. and Gao, R. (2015). Construction safety research in Pakistan: A review and future research direction. In proceedings of *7th International Civil Engineering Congress (ICEC-2015) "Sustainable Development through Advancements in Civil Engineering"*, Karachi, Pakistan, June 12-13, p. 1-8. <http://goo.gl/yCDsXr>

Masood, R., Farooqui, W. and **Zahoor, H.** (2014). System thinking approach for investigation of construction safety climate. *Journal of Civil Engineering and Architecture Research (JCEAR),* 1(5) 346-351. <http://goo.gl/4kb6eB>

Masood, R., Mujtaba, B., Khan, M.A., Mubin, S., Shafique, F. and **Zahoor, H.** (2014). Investigation for safety performance indicators on construction projects. *Science International*, 26(3) 1403-1408. <http://goo.gl/EHBGp0>

Chan, A.P.C., Javed, A.A., Wong, F.K.W., Hon, C.K.H., **Zahoor, H.** and LYU, S. (2014). The application of social network analysis in the construction industry of Hong Kong. In proceedings of *1st International Conference on "Emerging Trends in Engineering, Management & Sciences" (ICETEMS-2014)*, Islamabad. December 28-30. <http://goo.gl/1LR2xC>

Zahoor, H. and Choudhry, R.M. (2012). The most neglected construction safety practices in Rawalpindi/Islamabad. *CIB W099 International Conference "Modeling and Building Health and Safety".* Singapore, September 10-11, p. 312-322. <http://goo.gl/bpwghH>

Hobbies

Running, Cricket, Squash and Badminton.

Updated in Nov 2016