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I obtained my bachelor degree (BSc) in civil engineering from Southwest Jiaotong University in Chengdu, Sichuan Province of China and master degree (MSc in Engineering) within the program of Design and Construction Project Management from Chalmers University of Technology in Gothenburg, Sweden. I am interested in the research areas of project management and information and communication technologies (ICTs). e.g. BIM, collaborative working and project organizations in construction. Now I am enrolled as a Ph.D. candidate in the *Joint PhD Programmes Leading to Dual Awards* of the Hong Kong Polytechnic University (PolyU) and Sichuan University and I commenced my doctoral study in PolyU since Sep 2016.

Supervisor

Ir. Prof. Albert P.C. CHAN

Co-supervisor Prof. XIONG Feng

Area of Research

Project Management

The implementation of BIM in construction

Research Scope

My current research focuses on the ICTs', especially BIM's application in construction project management. As the information technology has been diffused to various industries, the construction and building industry has been greatly influenced by the introduction of ICTs. On one hand, the ICTs can serve as a tool to organize information and have the potential to improve the performance of project management. On the other hand, as the construction production is organized as projects, the essence of project has been partly changed with the introduction of ICTs, thus, a new paradigm has to be explored to let the ICTs to fit in. The research is generally on the project level and links to project related issues.

Research Methodology

Both qualitative and quantitative methods are adopted in my research as the qualitative is good for establish a new theory or set basic ground for further research in a specific branch, and the quantitative serves for gauge the degree for the extent or influence of a particular case and measure parameters. The specific methods are listed as below:

- Literature review
- Participant observation
- Case study
- Questionnaire survey
- Ontological methods
- Factor analysis

Publication List

1. **Ma X.**, Feng X, Dong N, Exploring a BIM-based approach of project management, 6th International Conference on Construction Engineering and Project Management, ICCEPM 2015, Busan, Korea, 2015.10.11-10.14

2. Berggren C., and **Ma X.**, Strategies for managing and organizing construction projects in China and Sweden, master thesis, Chalmers University of Technology and Wikström VVS-Kontroll AB, Jun 2011
[Available at: publications.lib.chalmers.se/records/fulltext/144122.pdf]

3. **Ma X.**, Su KL., Investigation on damage of structure under effect of Wenchuan Earthquake and implications for seismic design , International Conference on Earthquake Engineering ---- the 1st Anniversary of Wenchuan Earthquake, Chengdu, P.R.China, May 2009

Hobbies

Soccer, swimming, music, traveling and collecting coins

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