



**CAO Jiming**

Professor

PhD Advisor

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**EDUCATION BACKGROUND**

- 2004: Ph.D., School of Economics and Management, Tongji University
- 1989: Master, School of Economics and Management, Tongji University
- 1987: Bachelor, Dept. of Civil Engineering, Tongji University

**RESEARCH FIELD**

- Facility Management
- Construction Project Management
- Construction Investment & Operation Management

**TEACHING INTERESTS**

- Facility Management
- Construction Project Management
- Construction Investment & Operation Management

**WORK EXPERIENCE**

**Teaching Positions**

- 2004--Now, Vice Director, Large Complex Project Management Institute, School of Economics and Management, Tongji University
- 2004--Now, Professor, School of Economics and Management, Tongji University
- 1997--2004, Associate Professor, School of Economics and Management, Tongji University
- 1987--1997, Lecturer, School of Economics and Management, Tongji University
- 1982--1987, Teaching Assistant, School of Economics and Management, Tongji University

**Consulting Activities and Management Activities**

- Lectures in professional training in the Eastern Airlines, Guang Xia (Group) Co., Ltd., Shanghai Jinqiao Group Co., Ltd., Hudong-Zhonghua Shipbuilding (Group) Company Shanghai Jianke Engineering Consulting Co., Ltd., East OFTA, East

China Electric Power Design Institute, Fujian Construction Supervision Association, the Shanghai Education Bureau, etc. Named as the China Association of Engineering Consultants 2009 outstanding experts in the construction project supervision industry. A Member of British Royal Institution of Chartered Surveyors (RICS). Hired as the Procurement consulting expert, Shanghai municipal government.

### **International Experience**

- 2010.09, attended the Summit---Space and Facilities Management in Asia (hosted by the International Facility Management Association & Facility One), and made a s keynote speech---FM education and training
- 2006.10, attended the meeting---Overall facility management to meet user needs in a changing world (hosted by Hong Kong Institute of Facility Management), and made a keynote speech---Facilities Management in Shanghai

### **RESEARCH**

#### **Sponsored Research Projects**

- Research for the intelligent inspection system of facilities management, Shangan (Group) Co., Ltd, Project leader, 2014.07-2014.12
- Application and Development Trend of China's facilities management model, Hong Kong Institute of Facility Management (HKIFM), 2007.09-2009.10
- China's Building Surveying market and the implementation strategy, Hong Kong Institute of Facility Surveyors (HKIS), 2011.01-2012.06
- Research and Development for Multidimensional dynamic design management tools, Shanghai Airport (Group) Co., Ltd, 2010.03-2011.03
- The research of key technology of Shanghai airport expansion project in general, Shanghai Airport (Group) Co., Ltd, the participant of Corporate Research Projects, 2010.02-2012.12
- Research and practice on Hongqiao Integrated Transport Hub project construction and management innovation, Shanghai Hongqiao Integrated Transport Hub Construction Headquarters, 2009.03-2012.12
- The innovative practice and its key technology in high-speed railway testing, Shanghai Railway Bureau, 2011.10-2012.11
- Key technology and management for the construction of high-speed railway, China Railway First Group Company, 2011.03-2012.12
- Key technologies and management for the construction of high-speed railway testing, Chinese Ministry of Railways, 2011.06-2012.12
- Study on Social impact for large-scale construction projects, Shanghai Municipal Engineering Design & Research Institute, 2010.04-2011.04

- The operational planning and risk assessment in Hongqiao International Airport expansion project, Shanghai Airport (Group) Co., Ltd, 2009.08-2010.02
- The operational preparation planning and tracking control in Hongqiao International Airport expansion project, Shanghai Airport (Group) Co., Ltd, 2009.06-2010.03
- The study of social impact in the large-scale construction projects, Fund for Science and Technology in Shanghai, 2008.12-2010.03
- The general planning In comprehensive supporting project of Hongqiao Integrated Transport Hub, Shanghai Hongqiao Integrated Transport Hub Project Construction Headquarters, 2008.10-2010.03
- The project planning and Schedule control in Hongqiao Integrated Transport Hub, Shanghai Hongqiao Integrated Transport Hub Project Construction Headquarters, 2008.01-2010.05

### **PROFESSIONAL SERVICES**

- Member, British Royal Institution of Chartered Surveyors (RICS)
- Procurement consulting expert, Shanghai municipal government

### **LANGUAGES**

- Chinese (mother tongue)
- English (excellent)

### **Selected Publications**

#### **Papers**

- Li Chong, Cao Jiming, Ma teng. Integrated Similarity Calculation of Project Members Based on Formal Concept Analysis (In Chinese) [J]. Journal of Tongji University (Natural Science) ,2014.42(6),165-172
- Cao Jiming, Ma teng, Li Chong. Construct on Incentive System for Facilities Management in Existing Public Buildings (In Chinese) [J]. Engineering Management, 2013.5(10),39-43.
- Gao Xing, Cao Jiming, Li Chong. Research on First-price Sealed Bidding Considering Transaction Costs (In Chinese) [J]. Operations Research and Management Science, 2013.3(6),209-213.
- Li Chong, Cao Jiming, Dong Xin. The Research on FCA-based Method of Semantic Similarity Calculation and the Application in Construction Project [J]. International Journal of Digital Content Technology and its Applications, 2012,6(22): 536-543 DOI:10.4156/jdcta.vol6.issue22.62. (EI index: 20125215835360).
- Cao Jiming, Dong Xin, Xu Jixiang. Strategy Analysis for Tacit Knowledge Diffusion of Social Network (In Chinese) [J]. Information Studies: Theory & Application,

2012.7:28-33.

- Miao Lili, HanChuanfeng, Liu Liang, Cao Jiming. Network Characteristics Analysis of Scientists Cooperation based on the Motifs (In Chinese)[J].StudiesinScienceof Science,2012.30(10):1468--1475.
- Cao Jiming, Miao Lili, Liu Liang.Global Topology and Centrality Analysis for National High-quality Engineering Contractor Cooperative Networks (In Chinese) [J].Engineering Management,2012, 26(2): 1-6.
- Yong Fu, Jiming Cao, Daqun Cheng, Jian Fang. Evaluation studies of the sustainability of construction project management and indicators (In Chinese) [J].Engineering Management.
- Jiming Cao, Yong Fu, Zhan Fu. The Relationship between Emotional Intelligence and Transformational Leadership Behavior of Project Managers in Construction Project [J], International Journal of Digital Content Technology and its Applications, 2011,5(12):325-331.
- Yong Fu, Jiming Cao, Jian Fang. Sustainable management of construction projects and its implementation modalities.[J] (In Chinese), Project Management Techniques, 2011.09 (7):65-68
- Gao Xing, Cao Jiming. The Research of Facility Management Based on Organization Strategy Perspective, 2011 International Symposium on Applied Economics, Business and Development, ISAEBD 2011, 2011.06, Dalian, China. (EI index: 20113314244614)
- Gao Xing, Cao Jiming. Facility Management in IT area (In Chinese), [J].Modern management .2011.01 (1):16-21
- Jiming Cao, Yong Fu. A Survey on the Role of Emotional Intelligence in Construction Project Advances in Information Sciences and Service Sciences, 2011, 3(9):107-113 .( EI index:20114514501409)
- GuangsheJia, YutingChen ,XiangdongXue, Jianguo Chen, Jiming Cao, Kewei Tang. Program management organization maturity integrated model for mega construction programs in china, International Journal of Project Management, 2011, 29(7): 834 — 845
- Jiming Cao, Gao Xing, Chen Xu, Wei Li. China's Building Surveying professional market situation and implementation strategy [J] (In Chinese), Chinese economy and trade, 2011,220 (12) :27— 29
- Dong Xing, Jiming Cao, HongLi Wang. Knowledge of the mediation model and the realization method of intelligence theory and practice (In Chinese), 2011,34 (12) :69 — 73
- Dong Xin, Jiming Cao, Zhenglong Peng. Intermediary mechanism and tools based on knowledge of systems thinking (In Chinese). Information Science, 2011, 30 (7) :89

- Dong Xin ,CaoJiming. The Research on Knowledge Brokering Mechanism and Methods based on FCA. *Advances in Information Sciences and Service Sciences*, 2011.3(11): 314 — 323. (EI index: 20120114659535)
- Cao Jiming, Qian Li, Li Jiang. Mode selector of outsourcing relationship on corporate facility management (In Chinese), *Commercial Economic Research*, 2010 (5) :53—54, 68
- Cao Jiming, Junqing Zhang, Deng Ting. China project sustainable management experience and countermeasures (In Chinese), [J].*Construction Economics*, 2010, 337 (11):42—45
- Jimingcao, Junqing Zhang. Risk Identification of FM Service Outsourcing Based on Outsourcing Life Cycle, *International Conference on Internet Technology and Applications, ITAP 2010 – Proceedings*, 2010.8, Wuhan, China.(EI index:20104313326554)
- Dong Xin, Cao Jiming. Research on Trust-based Tacit Knowledge Transfer Model based on Non-linear Polya Processes, *International Conference on Internet Technology and Applications, ITAP 2010 – Proceedings*, 2010.08, Wuhan, China (EI index: 20104313326370)

### **Books**

- Jiming Cao. *The Project Schedule Planning and Control management(In Chinese)* ,Beijing:Science Press , 2013
- Jiming Cao, Lili Miao. *The Introduction of Facility Management (In Chinese)*, Beijing: China Architecture Industry Press, 2011
- Jiming Cao. *Construction Organization & Management (In Chinese)*, Shanghai: Tongji University Press, 2011
- Maoru Lin, GuagsheJia, Jiming Cao. *Introduction to sociology of the construction project (In Chinese)*, Shanghai: Tongji University Press, 2011
- *The research of Hongqiao Integrated Transport Hub Project innovative construction and management (In Chinese)*, Shanghai Science Press, 2011
- Jiming Cao. *Construction Management (In Chinese)*. Beijing: China Building Industry Press, 2010
- Jianguo Chen, XianyiGao, Jiming Cao. *The quantity surveying and Cost Management (third edition, In Chinese)*, Shanghai: Tongji University Press, 2010

### **Pedagogical Development and Innovation**

- 2014,In charge of National Excellent Resource Courses---Construction Organization and Management