

Curriculum Vitae

Personal particulars

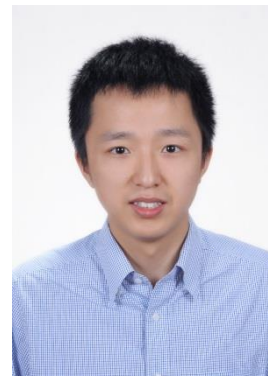
Name: **Guangwei, Chen (David)**

Title: Mr

Gender: Male

Date of Birth: 14th, Feb. 1986

Nationality: P.R. China



Education

PhD Student, 2016— Present, **thesis submitted on May 13, 2021**

Building (Repeated self-healing of concrete cracks)

School of Architecture and Built Environment,

The University of Newcastle, Australia. with full scholarship.

MSc, Sep, 2010—Mar, 2013,

Master of Engineering (Construction logistics optimization),

Faculty of Construction Management and Real Estate,

Chongqing Jiaotong University, China, with full scholarship.

BSc, Sep, 2006—Jul, 2010,

Civil Engineering (second major)

School of Civil and Hydraulic Engineering

Huazhong University of Science and Technology, China

BSc, Sep, 2006—Jul, 2010,

Bachelor of Management

School of Management

Wuhan University of Technology, China

Chronological employment history

June., 2021— Present, Casual academic, School of Architecture and Built Environment, Faculty of Engineering and Built Environment, The University of Newcastle, Australia.

Oct., 2020— Present, Casual Administration Assistant, Global Office, Global Engagement and Partnerships Division, The University of Newcastle, Australia.

Oct., 2016— Present, Casual International Support Assistant, UON Global, International and Advancement Division. The University of Newcastle, Australia.

Mar., 2014—Oct., 2015, Visiting Research Fellow, Centre for Intelligent Electricity Networks, The Newcastle Institute for Energy and Resources (NIER), The University of Newcastle.

Mar., 2014—Oct., 2015, Casual academic, School of Architecture and Built Environment, Faculty of Engineering and Built Environment, The University of Newcastle, Australia.

Oct., 2013— Oct., 2015, Researcher, School of Management Science and Real Estate, Chongqing University, China.

Oct., 2013— Oct., 2015, Lecturer, School of Management and Real Estate, Qiannan Normal College for Nationalities, China. (High-level talent introduction program)

Sep., 2012—Apr., 2013: Lecturer, School of Economics and Management, North college of Beijing University of Chemical Technology, China.

Jan., 2010 —Sep., 2012:, Head of Logistics Planning Team, Forlink Software Corporation Inc, Design and optimization of e-commerce logistics monitoring system, Hebei Iron and Steel Project (Beijing, China).

Jan., 2009 —Sep., 2010: Systems analyst / Implementation Consultant, Hundsun Technologies Inc. Project: Hebei Iron and Steel Group online steel mall (Beijing, China).

Teaching record

Module courses that I have taught in construction project management

- 1) Tutor, ARBE1101 - Construction Technology 1, The University of Newcastle, Australia.
- 2) Marker, ARBE1102 - Construction Ecology 1, The University of Newcastle, Australia.
- 3) Marker, ARBE4102 - Construction Technology and Services, The University of Newcastle, Australia.
- 4) Logistics Management (BSc Year II) in the North college of Beijing University of Chemical Technology, China.
- 5) Business Performance Management, in the China University Of Information Engineering(CIU), China.
- 6) Warehousing and distribution management, in the China University Of Information Engineering(CIU), China.

Research Grants (Total: 8)

Smart cooling roof, RMB 1200,000, Centre for Intelligent Electricity Networks, 2013-2015 (PI).

Study on Mechanism of Reducing Surface Temperature of Concrete Case Structures Using the Transforming of Heat Energy, RMB 840,000, The Chinese National Natural Science Funding, 51278512 (PI), 2013-2016 (National Level, very prestigious) (researcher).

Hebei Iron & Steel Trading Center Project of HEBEI IRON & STEEL GROUP, RMB 8,000,000, Hebei Iron and Steel Group & State-owned Assets Supervision and Administration Commission (SASAC) of Hebei, 2011-2013 (project engineer).

RFID enhanced multi-agent system for inventory control, the Science Committee of Chongqing, RMB 20,000, 2007-2009, CSTC2007bb2432 (PI) (researcher).

Material management modelling by using JIT purchasing, the Education Committee of Chongqing, RMB15,000, 2007-2009, KJ070404 (PI) (researcher).

The EOQ-JIT cost indifference point, the Chinese Institute of Supply Chain Management, 2006-2007, (PI) (researcher).

The dynamic EOQ-JIT break-even point and its application in construction logistics, RMB 80,000, The Chinese National Social Science Funding, 2006 -2008, 06XJY018 (PI), 2006-2008 (National Level, very prestigious) (researcher).

The EOQ-JIT cost indifference point in Construction Procurement, RMB 80,000, The Chongqing Jiao Tong University Science and Technology Kicking Off Research Funding, 2006-2008 (PI) (researcher).

Publications

The list of my publications

- [1] Tang WC, Chen GW, Wang SY, Self-healing Capability of ECC Incorporating with Different Mineral Additives - A Review, 3rd International RILEM Conference on Microstructure Related Durability of Cementitious Composites, Nanjing, China (2016) ([Preview](#))
- [2] Min Wu, Guang Wei Chen, Life cycle costs of metal roof, concrete tile roof and the intelligent cooling roof, the 19th International Symposium on the Advancement of Construction Management and Real Estate, CM07-14, Chongqing, China. Nov 7 - 9, 2015. ([Preview](#) in Springer)
- [3] Wu M, Tang WC, Chen GW, Chen S, Qing ZD, Zhou Y, Wang Y, Davis P, Sher W. Modelling Construction Dust Safety Distance. Advanced Materials Research 1065-1069 (2015):1065-1069 01 Dec 2015 ([Preview](#))
- [4] Wu M, Tang WC, Zhou Y, Chen S, Chen GW, Qing ZD, Wang Y, Davis P, Sher W. Modeling the Impact of Three Gorges Dam on the Cooling Energy Consumption of the Reservoir Cities. Advanced Materials Research 1065-1069(2015):3254-3259 01 Dec 2015 ([Preview](#))
- [5] Min Wu, Joe Dong, Andy Zhao, Wai Ching Tang, Willy Sher, Guang Wei Chen, Shuo Chen, Zhi Dan Qin, Yan Zhou, A Cooling Vest for Construction Workers. Advanced Materials Research, ISBN:978-3-03835-349-2,728-732. ([Preview](#))
- [6] Chen. G.W. (2013), Simulation of Supply Chains with VMI Based on System Dynamics, Publisher: Chongqing Jiaotong University, N945.13, pp.1-120 ([In Chinese](#))
- [7] Zhou Zhenkun, Wu Xia, Chen Guangwei, & Wu Donghui. (2009). Analysis on the design method of logistics park scale. Popular Business, 2009 ([In Chinese](#))

Books

An Analysis on the Effect of Three Gorges Project on the climate of The Three Gorges Dam Reservoir Area, ISBN 978-962-367-740-0, Publisher: The Hong Kong Polytechnic University, 2012 ([Preview](#) / [Library](#))

Patent

China Patent

- [1] High-temperature virus-killing mask, Patent number: **CN212036094U**, Application number CN202020203187.6U, Publication date 2021/12/1. ([Google Patent Preview](#))
- [2] High-temperature virus-killing mask, Patent number: **CN111194953A**, Application number CN202010112545.7A, Publication date 2021/18/2. ([Google Patent Preview](#))
- [3] Water-sealed virus-killing mask, Patent number: **CN111195400A**, Application number CN202010116220.6A, Publication date 2020/26/5. ([Google Patent Preview](#))
- [4] Refrigeration system, Patent number: **CN111721028A**, Application number CN202010621051.1A, Publication date 2020/29/9. ([Google Patent Preview](#))

- [5] Refrigeration system, Patent number: **CN212409124U**, Application number CN202021260523.7U, Publication date 2020/29/9. ([Google Patent Preview](#))

U.S. Patent

- [1] Refrigerating clothes, Patent number: **US11019857B2**, Application number US16/389,871, Publication date 2021/6/1. ([Preview](#))
- [2] Refrigerating clothes, Patent number: **US20200297049A1**, Application number US16/389,871, Publication date 2021/6/1. ([Preview](#))

Recent patent applications

- [1] U.S. Patent - Refrigeration equipment based on molecular sieve
- [2] U.S. Patent - Air conditioner based on molecular sieve
- [3] U.S. Patent - Refrigerator based on molecular sieve

Computer proficiency

Project: MS-Project, MS-Visio, MindManager, GitHub

Data analysis: Microcal Origin, SPSS, Matplotlib (Python)

Drawing: AutoCAD, SmartDraw, Edraw Mind Map, Sketchup

Web development : Adobe Dreamweaver CS, Adobe Photoshop

Engineering simulation: Fluent Inc Products, VensimPLE, EnergyPlus™

Economic model: Eviews, R/Guass time series analysis

Languages

Chinese

English

My referees

Referee 1	Referee 2
Name: Dr Patrick Tang	Name: Dr Shanyong Wang
Associate Professor School of Architecture and Built Environment Faculty of Engineering and Built Environment The University of Newcastle,	Professor School of Engineering Faculty of Engineering and Built Environment The University of Newcastle,
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