Quan Zhou

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EDUCATION

Shanghai Jiao Tong University, Shanghai, China
Master of Engineering in Electrical Engineering — Sep 2013 – Mar 2016(Expected)
Bachelor of Engineering in Electrical Engineering and Automation — Sep 2007 – Jun 2011

WORK EXPERIENCE

Xinjiang Goldwind Sci & Tech Co.,Ltd., Xinjiang, China
Field Technician — Jul 2011 – Sep 2012

PUBLICATIONS

JOURNALS

3) Q. Zhou, D. Feng, T. Sun, et al, "A Shapley Value based Method for Allocating Carbon Obligation in Demand Side," *Smart Grid, IEEE Transactions on*, 2015.(peer reviewed)
2) Q. Zhou, D. Feng, C. Xu, et al, "Methods for Allocating Carbon Obligation in Demand Side a Comparative Study," *Automation of Electric Power Systems*, vol. 39, no. 17, pp. 153–159, 2015.(EI indexed)
1) Q. Zhou, D. Feng, C. Fang, et al, "An incentive based nodal pricing method under multiple dual solutions," *Automation of Electric Power Systems*, vol. 38, no. 13, pp. 38–44, 2014.(EI indexed)

CONFERENCES

1) Q. Zhou, T. Sun, and T. Ding, et al, "Application of Carbon Intensity in Generation Expansion Planning A Comparative Study," in *PES General Meeting | Conference & Exposition, 2015 IEEE*, Denver, CO, USA, 2015.

RESEARCH EXPERIENCE

Research During **Postgraduate Period**, **Supervisor:** Prof. Donghan Feng

Project: Spot Pricing Application Under Low Carbon Constraints — Jan 2015 – Dec 2017
Supported by: School of Electronic Information and Electrical Engineering, SJTU
Introduction: This project aims to study the spot pricing theory under low carbon constraints and explore its applications in electricity market. The project is still an ongoing project.

Project: Impacts of Power Quality Violations on Operational Cost of Power System — Dec 2014 – Dec 2015
Supported by: Guizhou Power Grid Corperation, Guizhou, China
Introduction: This project aimed to measure the change in power grid operational cost caused by power quality violations in generation side and demand side, and provide some advice for that. A paper based on this work was **published** in Automation of Electric Power Systems, 2015.

Project: Incentive compatible low carbon generation schedule — Jan 2013 – Dec 2015
Supported by: SRF for ROCS, SEM.
Supervisor: Prof. Donghan Feng
Introduction: This project aimed to make a one-year low carbon generation schedule that is incentive compatible. A paper based on this work was **published** in Automation of Electric Power Systems, 2014.

Project: Chongming Island Smart Grid demonstration — Jan 2012 – Dec 2015
Supported by: Ministry of Science and Technology (China)
Introduction: In this project the sustainable development mode of smart grid was proposed and integrated closely to the design of power system in Chongming, Shanghai, China. A paper based on this work is being **peer reviewed** by Smart Grid, IEEE Transactions on.

Project: Low-Carbon Featured Smart Grid Technology: Study and Demonstration — Jan 2012 – Dec 2015
Supported by: State Grid Corporation of China
Introduction: In this project a life cycle analysis of CO_2 emission was carried out and applied to a real distribution network in Chongming. A paper based on this work was **accepted** by PES General Meeting, 2015 IEEE.

HONORS& CERTIFICATES

National Scholarship for Graduate Students, (Top 5 %) — 2015
Registered Electrical Engineer: Fundamental Examination Passed — 2015
Sieyuan Scholarship of Li Fushou, first class, (Top 10 %) — 2014
Outstanding Graduates of SJTU — 2011

CAMPUS ACTIVITIES

Volunteer of Shanghai International Marathon — 2013
Deputy Director of Network Department, Graduate Student Union of SJTU — 2013

LANGUAGES& SKILLS

GRE: Verbal 154, Quantitative 167, Analytical Writing 4.0
Programming: Matlab, C++, LaTeX