

Education Background

- ◆ 2013-2016 (expected): M.Sc. in Industrial Engineering
 - Zhejiang Science and Technology University (ZSTU)
 - Overall GPA: 4.29/5 (92.90/100) Ranking: 1/125
- ◆ 2009-2013: B.Sc. in Industrial Engineering
 - Zhejiang University of Technology (ZUT)
 - Overall GPA: 3.73/5 (87.30/100) Ranking: 1/35

Research Interests

- ◆ Modeling, Simulation and Optimization on System Layout Planning
- ◆ System Decision-Making Analysis and Game Theory
- ◆ Product Lifecycle Management
- ◆ Carbon Footprint Management

Selected Publications

- ◆ Xiaoyan QIAN, Renwang LI, *et al.* "Modeling Carbon Footprint of Tobacco Industry Based on PLC Across the Supply Chain", *International Journal of Advanced Manufacturing Technology*, **2015**. (Under Revision)
- ◆ Xinli WU, Renwang LI and Xiaoyan QIAN. "The Optimization Method Research Based on Analytic Hierarchy Process Method and the Dynamic Programming of Mass Customization Enterprise Value Network", *International Journal of Advanced Manufacturing Technology*, **2015**. (Under Revision)
- ◆ Ning LI and Xiaoyan QIAN. "Simulation and Optimization of Assembly Workshop Production Logistics Based on ED", *Modular Machine Tool & Automatic Manufacturing Technique*, (4): 154-160, **2014**.

Research Experience

- ◆ **Product Lifecycle-oriented Modeling and its Application for Carbon Footprint in Supply-Chain Environment (Jan. 2015 - present)**
 - Natural Science Foundation of China, Supervisor: Prof. Li Renwang
 - Overall aim: Build and apply a carbon footprint analysis body in order to mitigate the green-house effects
 - My work: Construct models for calculating carbon footprint, simulate models into Tobacco Industry and constantly optimize these models
 - Achievement: Be able to locate where carbon footprint was excessively emitting

◆ **The System Layout Planning Program (Sept. 2012 - June 2013)**

- Supervisor: Prof. Luo Guoxun
- Overall aim: Optimize technological process (Low-input and high-output)
- My work: Established original and optimized models in Enterprise Dynamics
- Achievement: The cross of logistics were relieved

◆ **Cuban Missile Crisis using Conflict Analysis theory (Mar. 2012 - July 2012)**

- Work in a System Decision-Making Analysis team, Supervisor: Prof. Luo Guoxun
- Overall aim: Motivate students to learn and apply knowledge of System Engineering
- My part: Modeling including five main elements (Time, Player, Options, Outcomes and Preference Vector)

◆ **Development of Managerial System of Research Results (Oct. 2013 - June 2014)**

- Supervisor: Prof. Li Renwang
- Overall aim: Explore a Management Information System for the research results
- My part: Design the prospects interface
- Achievement: Applied the MIS into a enterprise successfully

◆ **Ontology-Driven Data Extraction and Calculation Method of Product Carbon Footprint based on Life Cycle (June 2015 - present)**

- Natural Science Foundation of Zhejiang Province, Supervisor: Song Jinyu
- Overall aim: Develop an ontology-driven system for carbon footprint data extraction, model, semantic, mutual operation in the production life cycle
- My part: Construct a calculation and evaluation framework of carbon footprint by using PAS 2050 and ISO14067
- Achievements (Expected): Be able to evaluate the low-carbon supply chain management effectively

Honors and Awards

- ◆ Second Prize Scholarship for Excellent Postgraduate Students, 2014
- ◆ Excellent Student Leader, ZUT, 2013
- ◆ Third Prize for Provincial Undergraduate Mathematical Competition, 2011
- ◆ National Encouragement Scholarships and Excellent Undergraduate Scholarships, 4 times, 2010-2013

Professional skill

- ◆ Software: FlexSim, Enterprise Dynamics, Auto CAD, MATLAB
- ◆ Language: Chinese (native), English (IELTS: 6.0/9.0)

Teaching Experience

- ◆ TA for the graduate course “Supply Chain Management”, 2014
- ◆ TA for the graduate course “Operation Research”, 2015