

Ling (David) Qiu, CAPM
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EDUCATION

COLUMBIA UNIVERSITY, Fu Foundation School of Engineering and Applied Science **New York, NY**
M.S. in Environmental Engineering, Concentration in Sustainable Energy, GPA 3.7/4.0 **Dec. 2012**
Chartered Financial Analyst (CFA) Level II Candidate
Honor: ASME Materials and Energy Recovery Division Graduate Scholarship, 2012

TONGJI UNIVERSITY, College of Mechanical Engineering **Shanghai, China**
B.S. in Thermal Energy and Power Engineering, Major in Power Generation, GPA 84.5/100.0 **Jul. 2011**

WORK EXPERIENCE

WHEELABRATOR TECHNOLOGIES INC. **Hampton, NH**
Manager, Environmental, Health and Safety (Corporate EHS of Waste-to-Energy Facilities) **Jan. 2013-Present**

- Oversaw planning, development, and implementation of EHS management strategies and programs in the Chinese JV (Shanghai Environment Group);
- Managed and coordinated EHS phases of U.S.-led projects in the JV;
- Conducted and achieved performance improvement in domestic projects such as: EHS audit and corrective action track; ash compliance strategy making; operations KPI design for Plant Incentive Programs (with Operations Dept.); EPA Green House Gas Reporting;
- Headed domestic interdepartmental programs: a. cause and environmental impact assessment of agency identified violations; b. waste business development market watch;

WHEELABRATOR TECHNOLOGIES INC. **Hampton, NH**
Part-time Intern **Aug. 2012-Jan. 2013**

- Provided gap analysis on the Chinese JV's sustainability practices against Wheelabrator benchmarks and local regulations; results used as key inputs to JV strategic planning.
- Attended weekly conference call with the JV's EHS management and wrote meeting minutes to track progress.
- Finished a report on emerging waste conversion technologies by conducting literature and global market review to support corporate R&D decision-making.

ENVIRONMENTAL DEPARTMENT, COVANTA ENERGY HEADQUARTER **Morristown, NJ**
Summer Intern-Waste Management and Environmental Consulting **Jun. 2012-Aug. 2012**

- Analyzed global trading market for waste commodities to identify chances of improvements in sustainability and economy;
- Surveyed U.S. plastic scrap processing market to find possible business opportunity;
- Conducted biomass-to-biofuel innovative research.

EARTH ENGINEERING CENTER, COLUMBIA UNIVERSITY **New York, NY**
Junior Research Associate (Advisor: Prof. Nickolas Themelis) **Sep. 2011-Dec. 2012**

Thesis Title: Part I: Analysis of the Economics of Waste-to-Energy Plants in China; Part II: MSW Sorting Models in China and Potential for Improvement

- Conducted life cycle analysis of a waste-to-energy plant in a Chinese megacity based on thorough local waste management study and field surveys;
- Built basic engineering economics model of a Chinese waste-to-energy plant and analyzed its profitability and sensitivity using NPV and IRR method;

ENERGY & ENVIRONMENTAL DEPT., BAOSTEEL GROUP CO. **Shanghai, China**
Summer Intern-Energy Audit and Consulting Program **Jun. 2010-Sep. 2010**

- Assessed the Coke Dry Quenching (CDQ) system's energy efficiency and provided possible improvement suggestions;
- Collected and analyzed data for energy consumption mapping in a team of six;

OTHER PUBLICATION

L. Qiu, Y. Dong, N.J. Themelis. Rapid Growth of WTE in China, Current Performance and Impediments to Future Growth. The 20th North American Waste-to-Energy Conference, April 23-25, 2012, Portland, Maine, USA.

SKILLS

Professional: CFA Level II Candidate, Certified Associate in Project Management (CAPM), ISO 14001
Language: Mandarin-native, English-fluent, Cantonese-basic knowledge
Software: Microsoft Office, MATLAB, Simapro, ArcGIS, HSC-Chemistry