

H. STEVE PENG

(steve.peng@csueastbay.edu)

EDUCATION

- Ph.D. York University, Schulich School of Business, Toronto, 2001
M.Eng. National Tsinghua University, Taiwan, Electrical Engineering, 1992
B.Eng. National Tsinghua University, Taiwan, Electrical Engineering, 1990

EXPERTISE AND RESEARCH INTEREST

- Renewable energy application and technology management expertise
- Contract design for supply chain risk sharing
- Stochastic models and value analysis in supply chain management

ACADEMIC EXPERIENCE

- Full Professor** (2018 – present), California State University, East Bay (Department of Management, College of Business and Economics)
Associate Professor (2007 – 2018), California State University, East Bay (Department of Management, College of Business and Economics)
Assistant Professor (2001- 2007), California State University, East Bay (Department of Management, College of Business and Economics)
Instructor (1998 - 2000), Schulich School of Business, York University

JOURNAL PUBLICATION

1. Li Li, Ming Qu, Steve Peng “Performance evaluation of building integrated solar thermal shading system: active solar energy usage,” *Journal of Renewable Energy*, Vol. 109, pp. 576-585, March 2017
2. Chongqi Wu, Steve Peng, Bin Shao “A numerical study on competing supply chains: a price-setting newsvendor model,” *Int. J. Applied Management Science*, Vol. 9, No. 2, pp. 81-94, 2017
3. Steve Peng, Chongqi Wu, Junfeng He “Performance Analysis of Road-Rail Intermodal Transport: A Case Study in Southern China,” *Journal of Supply Chain and Operations Management*, Vol. 14, No. 1, pp. 124-143, Feb. 2016
4. Li Li, Ming Qu, Steve Peng “Performance evaluation of building integrated solar thermal shading system: building energy consumption and daylight provision,” *Journal of Energy and Building*, Vol. 133, pp.189-201, Feb. 2016
5. Buzacott, J.A, Peng, Steve., “Contract design for risk sharing partnerships in manufacturing”, *European Journal of Operational Research*, Vol. 218 issue 3, pp. 656-666, May 2012.
6. Wu, Chongqi, B. Shao, and Steve Peng. “Impact of Integration Cost and Product Substitution on Equilibrium Structure of Competing Supply Chains,” *Review of Business Research*, 9(5), pp. 171-178, October, 2009.

7. Wagner, M.R., Bhadury, J., Peng, H. Steve., "Risk management in uncapacitated facility location models with random demands", *Computers and Operations Research*, volume 36, issue 4, pp. 1002-1011, 2008.
8. Bhadury, J., Peng, Steve, Khuranab, S., Zong, H., "An Optimization Model for Planning of Motor Carrier Acquisition: An Application in a Canadian Trucking Company", *Journal of Supply Chain Management*, pp. 41-54, Fall 2006.
9. Peng, Steve, J. Bhadury, G. Kadasamy, "Transaction Cost and Operation Methodology for the Clean Development Mechanism," *Journal of International Business and Economics*, Oct. 2006.
10. Peng, Steve. "Risk Control and Early Warning for Retirement Pension System," *California Journal of Operations Management*, Feb., 2006.
11. Peng, Steve. "Subsidy Design for Facility Location under Price-Sensitive Demands," *Journal of Academy of Business and Economics*, Oct., 2004.
12. Peng, Steve. "New Product Capacity Reservation: Linear Contracts and Belief Ambiguity," *Review of Business Research*, Sept., 2004.
13. Subramaniam, U., J. Bhadury, Steve Peng, "Reverse Logistics Strategies and Implementation: A Pedagogical Survey," *Journal of International Business and Economics*, Sept. 2004.
14. Peng, H. S. "Contract Design for Risk Sharing and Project Division," *International Journal of Business Research*, June, 2004.
15. Peng, H.S. "The Value of Acquiring Private Information in Project Coordination," *California Journal of Operations Management*, Feb., 2004.
16. Che, S., J. Bhadury, Steve Peng "Comparison between the Port Logistics in Hong Kong and Singapore," *California Journal of Operations Management*, Feb., 2004.
17. Peng, H.S. "Integrated Hedging Strategy: Contract Selection, Resource Allocation, and Financial Diversification," *Journal of Academy of Business and Economics*, 2003.

PUBLICATION IN REFEREED CONFERENCE PROCEEDINGS

1. Moyu Yan, Ming Qu, Steve Peng "The Effect of the Configuration of the Absorber on the Performance of Flat Plate Thermal Collector," *Proceeding of 4th International High Performance Buildings Conference*, July 2016
2. Steve Peng, Chongqi Wu, Junfeng He "Performance Analysis of Road-Rail Intermodal Transport: A Case Study in Southern China," *Proceeding of CSU Production and Operations Management Conference*, Feb. 2016
3. Kung Y.S., Ming Qu M., Steve Peng, "Model Based Analysis of an Integrated System of Vapor-Compression Chiller and Absorption Heat Pump," *Proceedings of the ASME 7th International Conference on Energy Sustainability*, 2013.
4. Peng, H.S. "On-Time Performance and the Value of RFID in Cross-Docking," *Proceeding of IABE Annual Conference in Las Vegas*, Oct. 2006.

5. Peng, H.S. "Subsidy Design of Facility Allocation with Price-Sensitive Demands," Proceeding of Annual DSI Conference in San Francisco, Nov. 2005.
6. Peng, H.S. "Risk Control in p-Median Location Model with Random Demands," Proceeding of Annual DSI Conference in Boston, Nov. 2004.
7. Peng, H.S. "Risk Control and Contract Selection," Proceeding of Annual DSI Conference in Boston, Nov. 2004.
8. Peng, H.S. "On-Time Performance and the Value of RFID in Cross-Docking," Proceeding of 12th ICTSM Conference in Monterey Bay, July 2004.
9. Peng, H.S. "Contract Design for Risk Sharing in a New Aircraft Project," Proceeding of Annual DSI Conference in Washington DC, Nov. 2003.
10. Peng, H.S. and Gotcher, W. "Single-Period Model for Health Insurance Pricing and Health Capacity Planning," Proceeding of Annual West Decision Science Conference in Hawaii, April 2003.
11. Peng, H.S. and Bhadury, J. "Risk Management in Multi-Facility Median Problem with Uncertain Weights", Proceedings of the Ninth International Symposium on Locational Decisions Conference, New Brunswick, June 2002.
12. Peng, H.S., Buzacott, J.A. "Integrated Hedging Strategy: Contract Selection, Resource Allocation, and Financial Diversification," Proceedings of 2002 Production and Operations Management Conference, San Francisco, April 2002
13. Peng, H.S. and Cong, C "Disruptions in Airline Operations: Issues and Research Directions", Proceedings of 14th CSU-POM Conference, Feb. 2002.
14. Peng, H.S. and Buzacott, J.A. "New Product Capacity Reservation: Linear Contracts and Belief Ambiguity," Proceedings of Manufacturing and Service Operations Management Conference, University of Michigan, June 2000.
15. Peng, H.S., Buzacott, J.A. "The Value of Acquiring Private Information in Project Coordination," Multi-Echelon Inventory Conference, University of Michigan, June 2000.

INDUSTRIAL EXPERIENCE

Founder and CEO of Ziolar Technology, Singapore/Taiwan, 2012 – present

Optical and selective coating development for solar thermal applications
 Reactive PVD sputtering system design and equipment manufacturing
 Advanced solar thermal module and application development

Research Associate, Purdue University, Indiana, USA, 1/2011 – 6/2014

Mid-temperature solar thermal system and application development
 Solar cooling technology development and market research

Consultant for LG HVAC Division, Seoul, Korea, 10/2009 – 9/2010

Solar cooling technology development and market research
 Mid-temperature solar thermal application and system integration

Product Marketing Director, B2U Solar, San Jose, USA, 6/2008 – 10/2010

Business model development and market research
 Service and product design for online training and online collaboration

Project Manager, National Renewable Energy Lab, 10/2006 – 5/2008

Advanced solar thermal application and market research

Project management and value analysis

Consultant for Riverfort Technology, Shenzhen, China, 10/2005 – 10/2007

Business model development and market research

Service and product design for online training and online collaboration

Consultant for Bureau of Senior Pension, Wuhan, China, 6/2005 – 6/2006

Develop a forecasting model and risk control for future pension fund balance

Propose an early alarm system and policy simulation model

Principle Researcher, Bombardier Aerospace, Toronto, 10/1999 – 5/2001

Design financing mechanism for risk sharing in new aircraft projects

Optimize the product portfolio to balance profit and risk exposure

Project Engineer, General Instrument, 9/1992 – 1/1996

System design for digital receiver in Digital Cable Project

Software design for CATV billing and addressing system

BIOGRAPHIC DATA

Birth date: June 28, 1967 in Taiwan

Citizenship: Canada (permanent resident in USA since 2003)