

# Li Chen

The Fuqua School of Business  
Duke University  
100 Fuqua Drive  
Durham, NC 27708

Office: (919) 660-7818  
Cell: (650) 218-3350  
Email: li.chen@duke.edu  
[www.fuqua.duke.edu/faculty/alpha/lchen.htm](http://www.fuqua.duke.edu/faculty/alpha/lchen.htm)

---

## PROFESSIONAL EXPERIENCE

- Assistant Professor, Fuqua School of Business, Duke University, 07/2008 – present
- Cofounder and Lead Scientist, TrueDemand Software, Los Gatos, CA, 09/2004 – 03/2008
- Systems Engineer, Conexant Systems, Newport Beach, CA, 04/1998 – 08/1999

## EDUCATION

- Ph.D. in Management Science and Engineering, Stanford University, 2005  
Dissertation Title: *Optimal Information Acquisition, Inventory Control, and Forecast Sharing in Operations Management*  
Co-Advisors: Dr. Hau Lee and Dr. Erica Plambeck
- M.S. Electrical Engineering, University of California, Santa Barbara, 1996
- B.S. Automatic Control and Applied Mathematics, Shanghai Jiao Tong University, 1993

## PUBLICATIONS

### Published (in chronological order)

- [1] Chen, L., E. Plambeck. 2008. Dynamic inventory management with learning about the demand distribution and substitution probability. *Manufacturing & Service Operations Management*. **10**(2) 236-256.
- [2] Chen, L., H.L. Lee. 2009. Information sharing and order variability control under a generalized demand model. *Management Science*. **55**(5) 781-797.
- [3] Chen, L. 2010. Bounds and heuristics for optimal Bayesian inventory control with unobserved lost sales. *Operations Research*. **58**(2) 396-413.

### Working Papers

- [4] Chen, L., H.L. Lee. 2011. Bullwhip effect measurement and its implications. Under Minor Revision for *Operations Research*.
- [5] Chen, L., G. Kok, J. Tong. 2011. The effect of payment schemes on inventory decisions: The role of mental accounting. Under Minor Revision for *Management Science*.
- [6] Chen, L. 2011. Markov decision processes with censored observations: Analysis and applications in dynamic pricing. Working Paper.

## **Papers in Preparation**

- [-] Chen, L., H.L. Lee. Responsible sourcing models: Social value and risk analysis. In Preparation.
- [-] Chen, L., J-S. Song. Inventory policies for serial systems with Markov-modulated demand. In Preparation.
- [-] Chen, L., K. Zhu. Multi-item closed-loop inventory control with forecast updates: A model for DVD-by-mail services. In Preparation.
- [-] Chen, L. A sales-driven stockout intervention model. In Preparation.

## **Other Publications**

- [-] Chen, L., R. Smith., G. Dullerud. 1998. A linear perturbation model for a nonlinear system linearized at an equilibrium neighborhood. *Proceedings of 37th IEEE Conference on Decision and Control*.
- [-] Chen, L., R. Smith. 1998. Closed-loop model validation: An application to an unstable experimental system. *Proceedings of American Control Conference, June 1998*.
- [-] Chen, L., R. Smith. 1997. Closed-loop model validation for an inverted pendulum experiment via a linear matrix inequality approach. *Proceedings of 36th IEEE Conference on Decision and Control*.

## **AWARDS AND HONORS**

- Meritorious Service Award, M&SOM, 2010
- Third Prize, Best Paper Competition at OSCAMSE Annual Conference, 2009
- Honorable Mention, M&SOM Student Paper Competition, 2003

## **TEACHING**

- Duke MMCi: Introduction to Operations and Supply Chain Management (OPERATNS 270CI)  
2011-2012 (class size 34): Evaluations not yet available
- Duke Daytime MBA Elective: Supply Chain Management (OPERATNS 476)  
2011 Section 1 (class size 81): 6.0/7.0  
2011 Section 2 (class size 81): 6.4/7.0  
2010 (class size 85): 6.2/7.0  
2009 (class size 33): 6.4/7.0
- Duke Weekend Executive MBA Elective: Supply Chain Management (OPERATNS 476W)  
2010 (class size 07): 6.7/7.0  
2009 (class size 30): 6.0/7.0
- Duke MMS: Introduction to Operations and Supply Chain Management (OPERATNS 270F)  
2010 Section 1 (class size 48): 6.5/7.0  
2010 Section 2 (class size 50): 6.5/7.0
- Duke MEM Elective: Supply Chain Management (EGRMGMT 263)  
2010 (class size 36): 4.8/5.0
- Duke Global Executive MBA One-Day Elective: Global Supply Chain Management  
2010 (class size 09): Not evaluated

## **DOCTORAL DISSERTATION COMMITTEE**

- Jordan Tong, Expected to defend in 2012
- Suryanarayanan (Suri) Gurusurthi, "Frameworks for Planning Collaborative Supply Chain Programs," 2011

## **INVITED TALKS**

- Department of Management Science and Engineering, Stanford University, November, 2011
- Graduate School of Business, Stanford University, November, 2011
- Antai School of Management, Shanghai Jiao Tong University, China, December, 2010
- Ross School of Business, University of Michigan, December, 2010
- Department of Statistics and Operations Research, University of North Carolina, October, 2010
- School of Economics and Management, Tsinghua University, China, May, 2009
- Guanghua School of Management, Peking University, China, May, 2009

## **CONFERENCE PRESENTATIONS**

- INFORMS Annual Conference, Charlotte, NC, 2011
- OCSAMSE Annual Conference, Beijing, China, 2010
- POMS Annual Conference, Vancouver, Canada, 2010
- INFORMS Annual Conference, San Diego, CA, 2009
- OCSAMSE Annual Conference, Shanghai, China, 2009
- M&SOM Annual Conference, Boston, MA, 2009
- OCSAMSE Inaugural Conference, Shanghai, China, 2008
- INFORMS Annual Conference, Seattle, WA, 2007
- INFORMS Annual Conference, San Francisco, CA, 2005
- INFORMS Annual Conference, Atlanta, GA, 2003
- IEEE Conference on Decision and Control, Tampa Bay, FL, 1998
- IEEE Conference on Decision and Control, San Diego, CA, 1997

## **ACADEMIC COMMUNITY SERVICES**

- Session Chair, INFORMS Annual Conference, Charlotte, NC, 2011
- Invited Judge, M&SOM Society Student Paper Competition, 2011
- Co-Chair, M&SOM Society Student Paper Competition, 2010
- Session Chair, OCSAMSE Annual Conference, Beijing, China, 2010
- Session Chair, POMS Annual Conference, Vancouver, Canada, 2010

## **JOURNAL REFEREE SERVICES**

*Management Science*  
*Manufacturing & Service Operations Management*  
*Production and Operations Management*  
*IIE Transactions*  
*International Journal of Production Economics*

*Operations Research*  
*Mathematics of Operations Research*  
*Naval Research Logistics*  
*Canadian Journal of Operational Research*  
*Operations Research Letters*