

## Fang Tian

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Phone: (781) 308-3992

### EDUCATION

- **Ph.D.** in Operations Management, Marshall School of Business 08/2009-05/2015 (Expected)  
University of Southern California, Los Angeles, CA (GPA 3.63/4.00)
  - **Thesis:** ‘Green Strategies: Manufacturers’ Competition and Cooperation in Sustainability’
- **Ph.D.** in Operations Management, School of Business 08/2008-07/2009  
University of Connecticut, Storrs, CT(GPA 3.81/4.00)
- **M.S.** in Automatic Control, School of Information Science and Technology 08/2005-07/2008  
Tsinghua University, Beijing, China (GPA 86.5/100.0)
  - **Thesis (with honors):** ‘A Multi-dimensional Analysis on Dynamic Performance of Supply Chain’
- **B.S.** in Automatic Control, School of Information Science and Technology 08/2001-07/2005  
Tsinghua University, Beijing, China (GPA 86.2/100.0)

### RESEARCH INTERESTS

- Sustainable Operations
- Economic Behavior
- Game Theory
- Operations Research
- Supply Chain Management
- Data Analysis

### RESEARCH EXPERIENCE

- **Research Assistant**, University of Southern California, Los Angeles, CA 08/2009-present
  - Applied the Game Theory methodology in supply chain, balanced the competition and cooperation among manufacturers, optimized their cost structure by appropriately sharing technology and resources, and maximized manufacturers’ farsighted stable payoff.
  - Designed and implemented an economic behavioral experiment on 104 subjects, mimicked the competition and cooperation in supply chain, and diagnosed factors that impact subjects’ cooperative behavior.
- **Research Assistant**, Tsinghua University, Beijing, China 01/2005-07/2008
  - Applied the System Dynamics methodology in supply chain, identified the causal relationships among KPIs, developed a simulation tool in Java for KPI monitoring/controlling, implemented the tool in a pharmaceutical in China, and assisted the company maintaining high production efficiency and appropriate inventory turnover.
- **Research Intern**, IBM Global Business Services, Beijing, China 06-07/2006
  - Designed process flowcharts in MS Visio for the ERP system of China National Petroleum Corporation.

### SELECTED PUBLICATIONS AND WORKING PAPERS

- **F. Tian**, G. Susic and L. Debo. Manufacturers' Competition and Cooperation in Sustainability: Stable Recycling Alliances. Working Paper, 2014.
- **F. Tian**, G. Susic and L. Debo. [Green Recycling Networks](#). Working Paper, 2013.
- **F. Tian**, M. Slikker and G. Susic. Cooperation for Sustainability: Sharing Technology to Improve Product Recyclability. Work in Progress.
- **F. Tian**, G. Susic and S. Wiltermuth. Farsightedness and Cooperation: an Economic Experiment on Cooperative Behavior. Work in Progress.
- **F. Tian** and Y. Chai. [A Research on Systems Thinking Based on Three Dimensions Thought](#). *Proceedings of the 25<sup>th</sup> International System Dynamics Society Conference*, Jul. 29-Aug. 2, 2007, Boston, MA.

### TEACHING EXPERIENCE

- **Instructor**, [BUAD 311 Operations Management](#), University of Southern California Fall 2012
  - 4 course credits, 28 lectures, for Business-major junior/senior students
  - Topics include: Process Analysis and Capacity Management, Waiting Line Management, Optimization and Linear

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Programming, Revenue Management, and Inventory Management and Supply Chain Coordination.

- 72 students registered (class size 73), Evaluation 4.22/5.00

- [2013 University of Southern California Award for Excellence in Teaching](#)

- **Teaching Assistant**, BUAD 311 Operations Management, University of Southern California Spring2012

- Assisted 6 instructors for 10 sections of the course with 558 Business-major undergraduates.

- **Instructor**, [BADM 3001 Mobile Computing Lab](#), University of Connecticut Fall 2008, Spring 2009

- Introduced Microsoft Office applications to Business-major undergraduates.

### CONFERENCE PRESENTATIONS

- **Presentation**, MSOM Annual Conference, Seattle, WA 06/2014
- **Presentation**, 2014 Southern California OR/OM Conference, Los Angeles, CA 05/2014
- **Presentation** (two presentations), 25<sup>th</sup> Annual POMS Conference, Atlanta, GA 05/2014
- **Presentation** (two presentations), 2013 INFORMS Annual Meeting, Minneapolis, MN 10/2013
- **Presentation**, 24<sup>th</sup> Annual POMS Conference, Denver, CO 05/2013
- **Presentation**, 2012 INFORMS Annual Meeting, Phoenix, AZ 10/2012
- **Presentation**, 2012 Southern California OR/OM Conference, Los Angeles, CA 05/2012
- **Presentation**, 23<sup>rd</sup> Annual POMS Conference, Chicago, IL 04/2012
- **Presentation**, 2011 INFORMS Annual Meeting, Charlotte, NC 11/2011
- **Poster**, 25<sup>th</sup> International System Dynamics Society Conference, Boston, MA 07/2007

### ACADEMIC SERVICES

- **Reviewer**, *Decision Sciences* 09/2013
- **Reviewer**, Annual International System Dynamics Society Conference 2008-present
- **Session Chair** (two sessions), 25<sup>th</sup> Annual POMS Conference, Atlanta, GA 05/2014
- **Committee Member**, China System Dynamics Association 2010-present
- **Program Chair**, 2009 Conference on Systems Science, Management Science and System Dynamics, Shanghai, China 05/2009

### CERTIFICATIONS

- **Certification**, CITI (Collaborative Institutional Training Initiative) Program 07/2013
- **Certification**, 4<sup>th</sup> EurOMA Summer School in Operations Management, Budapest, Hungary 07/2012

### PROFESSIONAL MEMBERSHIPS

- **Member**, System Dynamics Society 2007-present
- **Member**, INFORMS (Institute for Operations Research and Management Science) 2009-present
- **Member**, POMS (Production and Operations Management Society) 2012-present
- **Member**, EurOMA (European Operations Management Association) 2012-present
- **Member**, MSOM (Manufacturing and Service Operations Management Society) 2014

### AWARDS AND HONORS

- **Graduate Scholarship**, Marshall School of Business, University of Southern California 2009-2014
- **Awards for Excellence in Teaching**, University of Southern California 2013
- **Graduate Scholarship**, School of Business, University of Connecticut 2008-2009
- **Best Thesis Prize**, Department of Automation, Tsinghua University 2008
- **Student Travel Scholarship**, System Dynamics Society 2007
- **Third-Class Scholarship**, Department of Automation, Tsinghua University 2007
- **First-Class Scholarship**, Department of Automation, Tsinghua University 2002

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- **First Prize**, National High School Physics Contest, China 2000
- **First Prize**, National High School Mathematical Contest, China 1999

**SKILLS AND INTERESTS**

- Computer: Matlab, R, Visual C++, Java, Microsoft Office, Latex
- Language: English, Mandarin Chinese
- Interests: Violin, Choir, Swimming

**REFERENCES**

**Greys Susic**

Associate Professor of Data Sciences and Operations  
USC Marshall School of Business, Los Angeles, CA

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**Scott Wiltermuth**

Assistant Professor of Management and Organization  
USC Marshall School of Business, Los Angeles, CA

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**Leon Zhu**

Associate Professor of Data Sciences and Operations  
USC Marshall School of Business, Los Angeles, CA

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**Laurens Debo**

Associate Professor of Operations Management  
University of Chicago Booth School of Business, Chicago, IL

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