

## Min Yu

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### Education:

**Doctoral Candidate (ABD), University of Massachusetts Amherst**, from Fall 2008, in Business Administration with a concentration in Management Science; Minor in Resource Economics

**Dissertation Title:** Analysis, Design, and Management of Supply Chain Networks with Applications to Time-Sensitive Products

**Dissertation Advisor:** Dr. Anna Nagurney, John F. Smith Memorial Professor, Isenberg School of Management at the University of Massachusetts Amherst

**Expected Graduation Date:** May, 2012

**M.E., Tongji University**, China, 2008, in Transportation Planning & Management

**B.E., Tongji University**, China, 2005, in Transportation Engineering

### Research Interests:

Network equilibria and optimization, game theory, multicriteria decision-making, supply chain network design, supply chain risk management, transportation, supply chain and financial networks, supply chains for time-sensitive products.

### Awards and Honors:

**Outstanding Doctoral Student Researcher Award**, Isenberg School of Management, University of Massachusetts Amherst, 2011;

**Outstanding Service Award**, UMass Amherst Student Chapter of INFORMS, 2011;

**Outstanding Service Award**, UMass Amherst Student Chapter of INFORMS, 2010;

**Outstanding Service Award**, UMass Amherst Student Chapter of INFORMS, 2009;

**Excellent Graduate Student of Tongji University**, Tongji University, 2006;

**Excellent Graduate of Universities in Shanghai**, Tongji University, 2005;

**The First Prize of Scholarship from Yu Fan Transportation Ltd.**, Tongji University, 2004;

**The First Prize of Excellent Student Scholarship**, Tongji University, 2004;

**Excellent Student of Tongji University**, Tongji University, 2003;

**Scholarship of “Guanghua”**, Tongji University, 2003;

**The First Prize of Excellent Student Scholarship**, Tongji University, 2003;

**The Third Prize of Excellent Student Scholarship**, Tongji University, 2002.

### **Journal Publications:**

Supply chain network design for critical needs with outsourcing (with A. Nagurney and Q. Qiang) (2011), *Papers in Regional Science* 90, 123-142.

Sustainable fashion supply chain management under oligopolistic competition and brand differentiation (with A. Nagurney) (2012), *International Journal of Production Economics* 135, 532-540.

Supply chain network operations management of a blood banking system with cost and risk minimization (with A. Nagurney and A. H. Masoumi) (2011), *Computational Management Science*, in press.

A supply chain generalized network oligopoly model for pharmaceuticals under brand differentiation and perishability (with A. H. Masoumi and A. Nagurney) (2012), *Transportation Research E*, in press.

Transport planning and design of water bus on Huangpu River (with N. He, D. Yang, L. Ye) (2006), *Journal of Tongji University (Natural Science)* 34, 1489-1493.

### **Book Chapters:**

Fashion supply chain management through cost and time minimization from a network perspective (with A. Nagurney) (2011), **Fashion Supply Chain Management: Industry and Business Analysis**, T.-M. Choi, Editor, IGI Global, Hershey, Pennsylvania, pp 1-20.

### **Proceedings:**

Multiproduct humanitarian healthcare supply chains: A network modeling and computational framework (with A. Nagurney and Q. Qiang) (2011), submitted.

The methodologies and practices of transportation project evaluation overseas (2007), *Proceedings of Graduate Students of Tongji University X*, 288-297.

## **Papers Presented at Conferences:**

Supply chain network design for critical needs with outsourcing (with A. Nagurney and Q. Qiang), NetSci2010, MIT, Cambridge, Massachusetts, May 12-14, 2010; also presented at: Computational Management Science 2010, Vienna, Austria, July 28-30, 2010, and the INFORMS National Meeting, Austin, Texas, November 7-10, 2010.

Multiproduct supply chain network design with applications to healthcare (with A. Nagurney and Q. Qiang ), the 22<sup>nd</sup> Annual POMS Conference, Reno, Nevada, April 29-May 2, 2011; also presented at: the First Northeast Regional INFORMS Conference, Amherst, Massachusetts, May 6-7, 2011.

Fashion supply chain management through cost and time minimization from a network perspective (with A. Nagurney), the First Northeast Regional INFORMS Conference, Amherst, Massachusetts, May 6-7, 2011.

Supply chain network operations management of a blood banking system with cost and risk minimization (with A. Nagurney and A. H. Masoumi), the 22<sup>nd</sup> Annual POMS Conference, Reno, Nevada, April 29-May 2, 2011; also presented at: the First Northeast Regional INFORMS Conference, Amherst, Massachusetts, May 6-7, 2011.

Sustainable fashion supply chain management under oligopolistic competition and brand differentiation (with A. Nagurney), the 2011 IEEE International Conference on Supernetworks and System Management, Shanghai, China, May 29-30, 2011; also presented at: the INFORMS National Meeting, Charlotte, North Carolina, November 13-16, 2011.

Multiproduct humanitarian healthcare supply chains: A network modeling and computational framework (with A. Nagurney and Q. Qiang ), to be presented at the 23<sup>rd</sup> Annual POMS Conference, Chicago, Illinois, April 20-23, 2012.

A supply chain generalized network oligopoly model for pharmaceuticals under brand differentiation and perishability (with A. H. Masoumi and A. Nagurney), to be presented at the 23<sup>rd</sup> Annual POMS Conference, Chicago, Illinois, April 20-23, 2012.

## **Invited Panels:**

How to run a successful INFORMS student chapter, the First Northeast Regional INFORMS Conference, Amherst, Massachusetts, May 6-7, 2011.

## **Research Projects:**

Doctoral Student Center Associate, Virtual Center for Supernetworks, Isenberg School of Management, University of Massachusetts Amherst, Sep. 2008 – present; worked on projects on time-sensitive supply chains and healthcare applications.

The Planning of Integrated Transportation Center for Passengers at Pudong Airport, Apr. 2007-Nov. 2007.

Operations Management in Air-Rail Inter-modality, Jan. 2007 -Mar. 2008.

Comprehensive Transportation Planning of Huai'an City, Mar. 2006-Jun. 2007.

Planning and Design of Water Bus on Huangpu River, Apr. 2005-Oct. 2005.

### **Teaching Experience:**

Instructor, FINOPMGT 353-02: Introduction to Management Science, University of Massachusetts Amherst, Jan. 2011-May 2011 (Overall instructor's teaching rating: 4.7/5.0).

Teaching Assistant, FINOPMGT 341: Transportation and Logistics (Instructor: Prof. A. Nagurney), University of Massachusetts Amherst, Sep. 2010-Dec. 2010.

Teaching Assistant, FINOPMGT 341: Transportation and Logistics (Instructor: Prof. A. Nagurney), University of Massachusetts Amherst, Sep. 2009-Dec. 2009.

### **Service at the University of Massachusetts Amherst:**

**Webmaster**, UMass Amherst Student Chapter of INFORMS, 2010 – 2011

The chapter was honored by INFORMS with a *Magna Cum Laude Award* at the INFORMS Annual Meeting in Charlotte, North Carolina, on November 15, 2011.

**President**, UMass Amherst Student Chapter of INFORMS, 2009 – 2010

The chapter was honored by INFORMS with a *Magna Cum Laude Award* at the INFORMS Annual Meeting in Austin, Texas, on November 9, 2010.

**Vice President**, UMass Amherst Student Chapter of INFORMS, 2008 – 2009

The chapter was honored by INFORMS with a *Summa Cum Laude Award* at the INFORMS Annual Meeting in San Diego, California, on October 13, 2009.

### **Professional Society Memberships:**

DSI: Decision Sciences Institute;

INFORMS: Institute for Operations Research and the Management Sciences;

POMS: Production and Operations Management Society.