

# CURRICULUM VITA

## Amir Masoumi

### ADDRESS

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### EDUCATION

**Doctoral Candidate in Business Administration with a concentration in Management Science;** Minor in Industrial Engineering at the University of Massachusetts Amherst, from Fall 2008;

**Dissertation Advisor:** Anna Nagurney, John F. Smith Memorial Professor, Isenberg School of Management at the University of Massachusetts Amherst; and Director of the Virtual Center for Supernetworks, and the Supernetworks Laboratory for Computation and Visualization at UMass Amherst.

**Dissertation Title:** Supply chain management of perishable products with applications to healthcare.

**Dissertation Proposal Defense Date:** December 12, 2011.

**M.S.** Industrial Engineering with a concentration in Economic and Social Systems Engineering, Azad University, Science and Research Campus, Tehran, Iran, 2006;

**B.S.** Electrical Engineering (Electronics), Isfahan University of Technology, Iran, 2003.

### RESEARCH INTERESTS

General research area: Supply Chain Networks, Perishable Products Supply Chains, Healthcare Supply Chains, Blood Banking Systems, Pharmaceutical Supply Chains, Disaster Relief Systems, and Network Optimization.

### RESEARCH PROJECTS

Design and experimental implementation of converting the control board circuits of a tile kiln to equivalent electronic circuits (BS Project), 2002;

Simulation of supply chain intelligence (MS Project), 2005-2006;

**EMPLOYMENT**

**Student Research Associate**, from Summer 2008;  
Virtual Center for Supernetworks; <http://supernet.som.umass.edu/>

**Research Assistant**, 2007

Consortium of Distributed Decision Making (CDDM) Lab at the University of Massachusetts Amherst;

**Computer and Information Systems Manager**, 2001-2003 (part time)

Marjan Tile Company, Iran.

*Outstanding Service Award*, UMass Amherst Student Chapter of INFORMS; 2009, 2010, and 2011;

**AWARDS  
AND  
HONORS**

Rank 5 / 400 in graduate studies entrance exam for Industrial Engineering students, Iran, 2003;

Rank 1040 / 400,000 in nationwide public universities entrance exam, Iran, 1998.

**JOURNAL  
PAPERS**

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

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

**BOOK  
CHAPTERS**

Supply chain network design of a sustainable blood banking system (with A. Nagurney) (2011) in *Sustainable Supply Chains: Models, Methods and Public Policy Implications*, T. Boone, V. Jayaraman, and R. Ganeshan, Editors, Springer, London, England, in press.

**PROCEEDINGS**

An introduction to distance learning systems (with M.J. Tarokh) (2005), National Seminar on E-Learning, Tehran, Iran.

**PAPERS  
PRESENTED AT  
CONFERENCES**

Supply chain network operations management of a blood banking system with cost and risk minimization (with A. Nagurney and M. Yu), 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.

Supply chain network design of a sustainable blood banking system (with A. Nagurney), INFORMS Annual Meeting, Charlotte, North Carolina, November 13-16, 2011.

**TEACHING  
EXPERIENCE**

*Nominated for the 2011-2012 Distinguished Teaching Award (DTA) by the Provost's Office; the highest and the only student-driven recognition of teaching at the University of Massachusetts Amherst.*

**Teaching Assistant**, FINOPMGT 341: Transportation and Logistics (Instructor: Prof. A. Nagurney), University of Massachusetts Amherst, Sep. 2011-Dec. 2011;

**Instructor**, FINOPMGT 353-01: Introduction to Management Science, University of Massachusetts Amherst, Jan. 2011-May 2011 (Overall instructor's teaching rating: 4.9/5.0);

**Instructor**, FINOPMGT 353-01: Introduction to Management Science, University of Massachusetts Amherst, Sep. 2010-Dec. 2010;

**Teaching Assistant**, FINOPMGT 341: Transportation and Logistics (Instructor: Prof. A. Nagurney), University of Massachusetts Amherst, Sep. 2008-Dec. 2008;

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

**INVITED  
PANELS**

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

**OFFICES  
HELD AT  
UMASS  
AMHERST**

- **Treasurer**, UMass Amherst Student Chapter of INFORMS, 2010- 2011;  
<http://student.som.umass.edu/informs/>

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

- **Coordinator**, Iranian Graduate Students Association (IGSA) at UMass Amherst, from April 2010;
- **Speaker Series Coordinator**, UMass Amherst Student Chapter of INFORMS, 2009-2010;

The Chapter was honored by INFORMS with a *Summa Cum Laude Award*, the highest distinction given to a student chapter recognizing the outstanding achievements of the chapter at the INFORMS Annual Meeting in San Diego, California, on October 13, 2009.

- **President**, and **Speaker Series Coordinator**, UMass Amherst Student Chapter of INFORMS, 2008-2009;

The Chapter was bestowed a *Magna Cum Laude Award* by INFORMS at the INFORMS Annual Meeting in Washington, D.C., on October 16, 2008.

- **Treasurer**, UMass Amherst Student Chapter of INFORMS, 2007- 2008;

The Chapter won the INFORMS Student Chapter Annual Award *Summa Cum Laude*, Seattle, Washington, on November 6, 2007.

**PROFESSIONAL  
MEMBERSHIPS**

**INFORMS**, Institute for Operations Research and the Management Sciences;  
**POMS**, Production and Operations Management Society;  
**NODET**, National Organization for Development of Exceptional Talents, Iran;  
**ILI**, Iran Language Institute.

**DOCTORAL  
COURSES**

Management Science I	Deterministic Models
Management Science II	Leadership and Beyond
Human Factors Design Engineering	Stochastic Models
Stochastic Processes	Teaching Workshop
Integer Programming	Project Management
Multi-Criteria Decision Making	Statistics I
Advanced Production Planning and Control	Statistics II
Quantitative Methods	Game Theory
Applied Microeconomics Theory I	Logistics
Applied Microeconomics Theory II	Linear Programming
Quantitative Analysis in Supply Chain Operations	Non-linear Programming