

## **Min Yu**

Assistant Professor of Operations and Technology Management  
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### **ACADEMIC EMPLOYMENT:**

#### **Robert Pamplin Jr. School of Business Administration, University of Portland**

Associate Professor (tenured), July 2018 – Present

Assistant Professor (tenure track), August 2012 – June 2018

Undergraduate: Decision Modeling

Foundations of Operations Management

Supply Chain Management

Optimization

Graduate: Operations Management

Optimization

Production and Service Operations Management

#### **Isenberg School of Management, University of Massachusetts Amherst**

Teaching/Research Assistant, September 2008 – May 2012

Undergraduate: Introduction to Management Science (full course responsibility)

Transportation and Logistics

## **EDUCATION:**

**Ph.D., University of Massachusetts Amherst**, May 2012, in Business Administration and Management with a concentration in Management Science; Minor in Resource Economics

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

**B.E., Tongji University**, China, July 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.

## **PUBLICATIONS:**

### **Peer Reviewed Journal Publications:**

- Nagurney, A., Besik, D., Yu, M., 2018. Dynamics of quality as a strategic variable in complex food supply chain network competition: The case of fresh produce. To appear in the focus issue on Supply Network Dynamics in *Chaos*.
- Li, D., Nagurney, A., Yu, M., 2017. Consumer learning of product quality with time delay: Insights from spatial price equilibrium models with differentiated products. To appear in *International Journal of Management Science – Omega*.
- Masoumi, A., Yu, M., Nagurney, A., 2017. Mergers and acquisitions in blood banking systems: A supply chain network approach. *International Journal of Production Economics* 193, 406-421.
- Nagurney, A., Yu, M., Besik, D., 2017. Supply chain network capacity competition with outsourcing: A variational equilibrium framework. *Journal of Global Optimization* 69(1), 231-254.
- Nagurney, A., Yu, M., Floden, J., Nagurney, L.S., 2014. Supply chain network competition in time-sensitive markets. *Transportation Research E* 70, 112-127.
- Nagurney, A., Yu, M., Floden, J., 2013. Supply chain network sustainability under competition and frequencies of activities from production to distribution. *Computational Management Science* 10(4), 397-422.
- Yu, M., Nagurney, A., 2013. Competitive food supply chain networks with application to fresh produce. *European Journal of Operational Research* 224(2), 273-282.

- Nagurney, A., Yu, M., 2012. Sustainable fashion supply chain management under oligopolistic competition and brand differentiation. *International Journal of Production Economics* 135(2), 532-540.
- Masoumi, A.H., Yu, M., Nagurney, A., 2012. A supply chain generalized network oligopoly model for pharmaceuticals under brand differentiation and perishability. *Transportation Research E* 48(4), 762-780.
- Nagurney, A., Masoumi, A.H., Yu, M., 2012. Supply chain network operations management of a blood banking system with cost and risk minimization. *Computational Management Science* 9(2), 205-231.
- Nagurney, A., Yu, M., Qiang, Q., 2011. Supply chain network design for critical needs with outsourcing. *Papers in Regional Science* 90(1), 123-142.
- He, N., Yang, D., Ye, L., Yu, M., 2006. Transport planning and design of water bus on Huangpu River. *Journal of Tongji University (Natural Science)* 34, 1489-1493.

#### **Book:**

- Nagurney, A., Yu, M., Masoumi, A.H., Nagurney, L.S., 2013. **Networks Against Time: Supply Chain Analytics for Perishable Products**. Springer, New York, NY.

#### **Invited Book Chapters (Peer Reviewed):**

- Nagurney, A., Yu, M., Floden, J., 2015. Fashion supply chain network competition with ecolabelling, in **Sustainable Fashion Supply Chain Management: From Sourcing to Retailing**, T.-M. Choi and T.C.E. Cheng, Editors, Springer, pp 61-84.
- Nagurney, A., Masoumi, A.H., Yu, M., 2015. An integrated disaster relief supply chain network model with time targets and demand uncertainty, in **Regional Science Matters: Studies Dedicated to Walter Isard**, P. Nijkamp, A. Rose, and K. Kourtit, Editors, Springer International Publishing Switzerland, pp 287-318.
- Nagurney, A., Yu, M., 2014. A supply chain network game theoretic framework for time-based competition with transportation costs and product differentiation, in **Optimization in Science and Engineering – In Honor of the 60th Birthday of Panos M. Pardalos**, S. Butenko, C. A. Floudas, and Th. M. Rassias, Editors, Springer, New York, pp 381-400.
- Nagurney, A., Yu, M., 2011. Fashion supply chain management through cost and time minimization from a network perspective, in **Fashion Supply Chain Management: Industry and Business Analysis**, T.-M. Choi, Editor, IGI Global, Hershey, PA, pp 1-20.

### **Proceedings (Non-Peer Reviewed):**

- Nagurney, A., Yu, M., Qiang, Q., 2012. Multiproduct humanitarian healthcare supply chains: A network modeling and computational framework, *Proceedings of the Production and Operations Management Society 23<sup>rd</sup> Annual Conference*, Chicago, IL, April 20-23, 2012.

### **Papers under Review:**

- Yu, M., Cruz, J., 2017. A competitive supply chain framework with environmental tax policies.

### **Works in Progress:**

- An effective method for determining healthcare supply item emergency stockpiles, with Mitchell, G., University of Portland.
- Supply chain network competition and sustainable environmental policies, with Cruz, J., University of Connecticut, and Li, D., Arkansas State University.
- Product design for remanufacturing, uncertainty and the environmental impact in the closed-loop supply chain network, with Qiang, Q., Pennsylvania State University.
- Closed-loop supply chain management and corporate social responsibility, with Ke, K., Central Washington University.
- Supply chain network management in the meat and dairy industries.

### **PRESENTATIONS:**

#### **Conference Presentations:**

- Supply chain network competition and sustainable environmental policies (with J. Cruz and D. Li), 2017 ABEAI Annual Meeting, Maui, HI, November 15-18, 2017
- Supply chain network competition and sustainable environmental policies (with J. Cruz and D. Li), the INFORMS Annual Meeting, Houston, TX, October 22-25, 2017.
- A competitive supply chain framework with sustainable environmental policies (with J. Cruz), the INFORMS Annual Meeting, Nashville, TN, November 13-16, 2016.
- Fashion supply chain network competition with ecolabelling (with A. Nagurney and J. Floden), the 26th Annual POMS Conference, Washington D.C., May 8-11, 2015; also presented at the INFROMS Annual Meeting, Philadelphia, PA, November 1-4, 2015.

- Supply chain network sustainability under competition and frequencies of activities from production to distribution (with A. Nagurney and J. Floden), the INFORMS Annual Meeting, San Francisco, CA, November 9-12, 2014.
- Competitive food supply chain networks with application to fresh produce (with A. Nagurney), the INFORMS Annual Meeting, Minneapolis, MN, October 6-9, 2013; also presented at the 25<sup>th</sup> Annual POMS Conference, Atlanta, GA, May 9-12, 2014.
- Multiproduct humanitarian healthcare supply chains: A network modeling and computational framework (with A. Nagurney and Q. Qiang ), the 23<sup>rd</sup> Annual POMS Conference, Chicago, IL, April 20-23, 2012; also presented in one invited session at the the INFORMS Annual Meeting, Phoenix, AZ, October 14-17, 2012.
- A supply chain generalized network oligopoly model for pharmaceuticals under brand differentiation and perishability (with A. H. Masoumi and A. Nagurney), the 23<sup>rd</sup> Annual POMS Conference, Chicago, IL, April 20-23, 2012.
- 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 in one invited session at the INFORMS Annual Meeting, Charlotte, NC, November 13-16, 2011.
- Fashion supply chain management through cost and time minimization from a network perspective (with A. Nagurney), Invited Session, the First Northeast Regional INFORMS Conference, Amherst, MA, May 6-7, 2011.
- Multiproduct supply chain network design with applications to healthcare (with A. Nagurney and Q. Qiang ), the 22<sup>nd</sup> Annual POMS Conference, Reno, NV, April 29-May 2, 2011; also presented at the First Northeast Regional INFORMS Conference, Amherst, MA, May 6-7, 2011.
- Supply chain network design for critical needs with outsourcing (with A. Nagurney and Q. Qiang), Invited Session, the INFORMS Annual Meeting, Austin, TX, November 7-10, 2010.

### **Invited Panels:**

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

### **PRESS INTERVIEWS:**

- Interviewed by Joseph Gallivan of *Portland Tribune* for the article, "What cost congestion?" February 13, 2015.

## **RESEARCH PROJECTS:**

- Doctoral Student Center Associate, Virtual Center for Supernetworks, Isenberg School of Management, University of Massachusetts Amherst, September 2008 – May 2012; worked on projects on time-sensitive supply chains and healthcare applications.
- The Planning of Integrated Transportation Center for Passengers at Pudong Airport, April 2007 – November 2007.
- Operations Management in Air-Rail Inter-modality, January 2007 – March 2008.
- Comprehensive Transportation Planning of Huai'an City, March 2006 – June 2007.
- Planning and Design of Water Bus on Huangpu River, April 2005 – October 2005.

## **SERVICE:**

### **University-Wide Service:**

- Honors Mentor, University of Portland Honors Program, 2015 – Present;
- Member, World Citizen Program Development Committee, 2018 – Present;
- Member, Strategic Plan D.1.3 Task Force (Future of World Languages), 2018 – Present;
- Member, Committee on Curriculum and Academic Regulations, 2017 – Present;
- Member, Sojourner Scholars Program Development Committee, 2016;
- Member, IR Director Search Committee, Spring 2016.

### **School-Wide Service:**

- Faculty advisor, 2012 – Present;
- Member, Mid-tenure Review Committee for Fr. Dan Parrish, 2018;
- Member, Research Support Task Force, 2017 – 2018;
- Member, PSOBA Graduate Enrollment Task Force, 2015 – 2016;
- Member, EIM Faculty Search Committee, 2015 – 2016;
- Member, PSOBA Ethics Taskforce, 2014 – 2015.

### **Departmental Service:**

- Faculty Member, OTM Executive Advisory Board, 2012 – Present;
- Member, OTM SIM Scholarship Committee, 2012 – Present;
- Member, OTM Faculty Scholarship Committee, 2013 – Present;
- Member, MS-OTM Program Development, 2012 – Present;
- Member, OTM Faculty Search Committee, 2012 – 2013, 2013 – 2014.

## **Professional Service:**

### Conference Session Chair:

- The 26<sup>th</sup> Annual POMS Conference, Washington D.C., May 8-11, 2015

### Ad-Hoc Reviewer:

- Annals of Operations Research
- Computational Management Science
- European Journal of Operations Research
- Food Policy
- IEEE Transactions on Systems, Man and Cybernetics: Systems
- Information Sciences
- International Journal of Management Science – Omega
- International Journal of Production Economics
- International Transactions in Operational Research
- Journal of Business Logistics
- Journal of Cleaner Production
- Journal of the Association for Information Systems
- Service Science
- Transportation Research Part E: Logistics and Transportation Review

## **AWARDS AND HONORS:**

- Featured in **A Community of Scholars: University of Portland Annual Scholarly Review, 2015-2016 Academic Year;**
- **Pamplin Faculty Fellow**, Robert Pamplin Jr. School of Business Administration, University of Portland, 2012 – 2016;
- **Outstanding Doctoral Student Researcher Award**, Isenberg School of Management, University of Massachusetts Amherst, 2011;
- **Outstanding Service Award**, UMass Amherst Student Chapter of INFORMS, 2009 – 2011.

## **PROFESSIONAL SOCIETY MEMBERSHIPS:**

- Associate of Virtual Center for Supernetworks;
- Member of BGS (Beta Gamma Sigma);
- Member of INFORMS (Institute for Operations Research and the Management Sciences);
- Member of POMS (Production and Operations Management Society).

## **PROFESSIONAL MEETINGS ATTENDED:**

- The 2017 ABEAI Annual Meeting, Maui, HI, November 15-18, 2017;
- The 28<sup>th</sup> Annual POMS Conference, Washington, WA, May 5-8, 2017;
- The INFORMS Annual Meeting, Nashville, TN, November 13-16, 2016;
- The 27<sup>th</sup> Annual POMS Conference, Orlando, FL, May 6-9, 2016;
- The INFORMS Annual Meeting, Philadelphia, PA, November 1-4, 2015;
- The 26<sup>th</sup> Annual POMS Conference, Washington D.C., May 8-11, 2015;
- The INFORMS Annual Meeting, San Francisco, CA, November 9-12, 2014;
- The 25<sup>th</sup> Annual POMS Conference, Atlanta, GA, May 9-12, 2014;
- The INFORMS Annual Meeting, Minneapolis, MN, October 6-9, 2013;
- The 7<sup>th</sup> International Conference on Operations and Supply Chain Management, Shanghai, China, June 22-25, 2013;
- The INFORMS Annual Meeting, Phoenix, AZ, October 14-17, 2012.