

## **Robert Aboolian**

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### **EDUCATION**

Ph.D. Operations Management, University of Toronto, Toronto, Canada, 1998-2002  
M.S. System Engineering, Iran University of Science and Technology, Tehran, Iran, 1989-1993  
B.Sc. Industrial Engineering, Iran University of Science and Technology, Tehran, Iran, 1984-1989

### **PROFESSIONAL POSITIONS**

2008 – Present **Associate Professor**, College of Business Administration, California State University San Marcos, California  
2002 – 2008 **Assistant Professor**, College of Business Administration, California State University San Marcos, California  
Summer 2007 **Visiting Assistant Professor**, School of Business and Management, American University of Armenia, Yerevan, Armenia  
Fall 2007 **Consultant**, Dry Cleaner's Secret, Portland, Oregon  
Fall 2006 **Consultant**, Deccan International, San Diego, California  
2000 – 2002 **Instructor**, University of Toronto, Toronto, Canada  
1998 – 2002 **Teaching / Research Assistant**, University of Toronto, Toronto, Canada  
1998 – 1999 **Consultant**, Toronto Police Department, Toronto, Canada  
1998 – 2001 **Consultant**, Pine Valley Packaging, Concord, Canada  
1997 – 1998 **Industrial Engineer**, Pine Valley Packaging, Concord, Canada  
1996 – 1997 **Instructor**, Mazandaran University of Science and Technology, Babul, Iran  
1994 – 1996 **Instructor**, Tehran Azad University, Tehran, Iran  
1993 – 1994 **Instructor**, Aviation University, Tehran, Iran  
1993 – 1997 **Industrial Engineer**, Arvin Manufacturing Co., Tehran, Iran

### **TEACHING**

#### **MBA Courses:**

- Operations Management BA 645
- Supply Chain Management BA 667
- Dynamic Pricing and Revenue Management BA 690J
- Supply Chain Planning and Management BM 586 (American University of Armenia)
- Product Pricing and Development BM 588 (American University of Armenia)

#### **Undergraduate Courses:**

- Operations Management OM 302 and OM 305
- Decision Models OM 406
- Supply Chain Management OM 428
- Pricing and Revenue Management OM 440
- Business Statistics MGTC74H3 (University of Toronto)
- Operations Management: A Mathematical Approach MGTC75H3 (University of Toronto)

## **RESEARCH INTERESTS**

- Supply Chain Management
- Facility Location
- Non-Linear Integer Programming
- Production-Distribution Network Design
- Preventive Health care System Design

## **PUBLICATIONS-REFEREED JOURNALS**

1. Aboolian, R., O. Berman and D. Krass, "Profit Maximizing Distributed Service System Design with Congestion and Elastic Demand," *Transportation Science*, forthcoming.
2. Aboolian, R., J. Leu and Y. Sun "Deploying a Zone-Based Massively Multiplayer Online Game on a Congested Network", *International Journal of Information Systems and Supply Chain Management* 5(1) (2012), 38-57.
3. Aboolian, R., Y. Sun, and G., J., Koehler, "A Location-Allocation Problem for a Web Service Provider in a Competitive Market", *European Journal of Operational Research* 194(1) (2009), 64-77.
4. Aboolian, R., O. Berman and Z. Drezner, "Multiple Server Center Location Problem", *Annals of Operations Research* 167 (2009), 337-352.
5. Aboolian, R., O. Berman and D. Krass, "Efficient Solution Approaches for Discrete Multi-Facility Competitive Interaction Model", *Annals of Operations Research* 167 (2009), 297-306.
6. Aboolian, R., and S. Lou, "An Efficient Algorithm to Solve Base Station Location and Channel Assignment Problems in a Cellular Network," *International Journal of Management and Network Economics* 1 (2009), 176-185.
7. Aboolian, R., O. Berman and D. Krass, "Optimizing Pricing and Location Decisions for Competitive Service Facilities Charging Uniform Price," *Journal of Operational Research Society* 59 (2008), 1506-1519.
8. Aboolian, R., O. Berman and Z. Drezner, "Location-Allocation of Service Units on a Congested Network," *IIE Transactions* 40(4) (2008), 422-433.
9. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problem," *European Journal of Operational Research* 182(1) (2007), 40-62.
10. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location Model with Concave Demand", *European Journal of Operational Research* 181(2) (2007), 598-619.

## **PUBLICATIONS-CONFERENCE PROCEEDINGS**

11. Aboolian, R., J. Leu and Y. Sun "On The Study of Establishing a Responsive Infrastructure for a Massively Multiplayer On-Line Game," *Americas Conference on Information Systems (AMICS) 2009 Proceedings*, San Francisco, August 2009.
12. Aboolian, R., and S. Lou, "locating Base Stations in a Cellular Network with Stochastic Service Demand," *Proceedings of the 10th WSEAS International Conference on Computing*, Athens, Greece, July 2006.
13. Aboolian, R., Y. Sun, and G., J., Koehler "Web Service Provider Location, Sever Allocation Problem in a Competitive Environment," *Proceedings of the 2005 International Conference on Industrial Engineering and Systems Management*, Marrakech, Morocco, May 2005.

14. Aboolian, R. and Y. Sun, "Optimum Positioning of Servers of Web Services in a Competitive Environment," *Proceedings of the Third Workshop on e-Business of Web2004 Conference*, Washington, D.C., December 2004.

#### **SUBMITTED PAPERS**

1. Aboolian R., T. Cui and M. Shen, "An Efficient Approach for Supply Network Design under the Risk of Disruption." Under review (third round) in *INFORMS Journal on Computing*.

#### **MANUSCRIPTS UNDER PREPARATION**

1. Aboolian R., O. Berman and V. Verter, "An Efficient Exact Approach for Preventive Healthcare Facility Network Design."
2. Aboolian R., M. Shen, "A Location-Inventory Model for an Online Retailer."
3. Aboolian R., "Responsive Supply Chain Design Problem for a Network of Make to Order Facilities."
4. Aboolian R. and S. Elhedhli, "Efficient Solution Approaches for Service System Design Problem."
5. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problems with Large Number of Potential Designs."

#### **CONFERENCE PAPERS INVITED**

1. Aboolian R., "Responsive Supply Chain Design Problem for a Network of Make to Order Facilities," INFORMS, Charlotte, November 2011.
2. Aboolian R., O. Berman and V. Verter, "An Efficient Exact Approach for Preventive Healthcare Facility Network Design," Workshop on Locational Analysis, Canary Islands, Spain, February 2011.
3. Aboolian R., T. Cui and M. Shen, "An Efficient Approach for Supply Network Design under the Risk of Disruption," INFORMS, Austin, November 2010.
4. Aboolian R., O. Berman and V. Verter, "An Efficient Exact Approach for Preventive Healthcare Facility Network Design," INFORMS, Austin, November 2010.
5. Aboolian R., T. Cui and M. Shen, "Efficient Algorithms for the Reliable Facility Location Problem," INFORMS, San Diego, October 2009.
6. Aboolian R. and S. Elhedhli, "Efficient Solution Approaches for Service System Design Problem," INFORMS, San Diego, October 2009.
7. Aboolian, R., O. Berman and D. Krass, "Spatially-Distributed Make-to-Order System with Time-Sensitive Demand," INFORMS, Washington, DC, October 2008.
8. Aboolian, R., O. Berman and D. Krass, "Maximizing Participation Benefits in a Socially Optimal Service System Design," WDSI, San Diego, March 2008.
9. Aboolian, R., O. Berman and D. Krass, "Profit Maximizing Service System Design with Elastic Demand," INFORMS, Seattle, November 2007.
10. Aboolian, R., O. Berman and D. Krass, "Identifying Optimal Designs in Competitive Facility Location Models," INFORMS, Seattle, November 2007.
11. Aboolian, R., O. Berman and Z. Drezner, "Location-Allocation of Service Units on a Congested Network," EURO Winter Institute on Location and Logistics, Estoril, Portugal, February 2007.

12. Aboolian, R., O. Berman and Z. Drezner, "Location-Allocation of Service Units on a Congested Network," INFORMS, Pittsburgh, November 2006.
13. Aboolian, R., O. Berman and D. Krass, "Optimizing Pricing and Location Decisions for Competitive Service Facilities Charging Uniform Price," INFORMS, Pittsburgh, November 2006.
14. Aboolian, R., O. Berman and D. Krass, "Concurrent Pricing and Location Optimization for Competitive Service Facilities," CORS/Optimization Days, Montréal, Canada, May 2006.
15. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problems with Large Number of Potential Designs," INFORMS, San Francisco, November 2005.
16. Aboolian, R., O. Berman and Z. Drezner, "Multiple Server Location Problem with Fixed Cost," INFORMS, San Francisco, November 2005.
17. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problem on a Network," joint CORS/INFORMS conference, Banff, Canada, May 2004.
18. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problem," INFORMS, Atlanta, October 2003.
19. Aboolian, R., O. Berman and D. Krass, "Efficient Solution Approaches for Flow Intercepting Spatial Interaction Location Models," INFORMS, Atlanta, October 2003.
20. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problem," joint EURO/INFORMS conference, Istanbul, Turkey, July 2003.
21. Aboolian, R., O. Berman and D. Krass, "Optimizing Attraction Level of Facilities in Generalized Spatial Interaction Model," INFORMS, San Antonio, November 2000.
22. Aboolian, R., O. Berman and D. Krass, "Generalized Spatial Interaction Model with Exponential Expenditure Function," INFORMS, Salt Lake City, May 2000.

#### **CONFERENCE PAPERS CONTRIBUTED**

23. Aboolian R., O. Berman and V. Verter, "An Efficient Exact Approach for Preventive Healthcare Facility Network Design," ECCO XXIII, Malaga, Spain, May 2010.
24. Aboolian, R., O. Berman and D. Krass, "Spatially-Distributed Make-to-Order System with Time-Sensitive Demand." ISOLDE XI, Santa Barbara, California, June 2008.
25. Aboolian, R., O. Berman and Z. Drezner, "Location-Allocation of Service Units on a Congested Network," Second Conference on Queuing Theory, Madrid, Spain, July 2006.
26. Aboolian, R., S. Lou, "Optimum Positioning of Base Stations in a Mobile Wireless Network," joint CORS/INFORMS conference, Banff, Canada, May 2004.
27. Aboolian, R. and Y. Sun, "Optimum Positioning of Servers of Web Services in a Competitive Environment," Third Workshop on e-Business, Web2004 Conference, Washington, D.C., December 2004.
28. Aboolian, R., S. Lou, "Optimal Location of Base Stations in Cellular Network." INFORMS, Denver, October 2004.
29. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problem on a Network," 20th European Conference on Operational Research, Rhodes, Greece, May 2004.

30. Aboolian, R., O. Berman and D. Krass, "Efficient Solution Approaches for Flow Intercepting Spatial Interaction Location Models," Southern California annual OR/MS conference, UCI, Irvine, 2003.
31. Aboolian, R., O. Berman and D. Krass, "Solution Approaches for a Special Class of Concave Integer Programs," INFORMS, Miami, November 2001.

### **HONORS**

- Outstanding Masters' Student Award, Winter 1993
- INFORMS Doctoral Colloquium, Fall 2001

### **GRANTS AND AWARDS**

- University Professional Development/Research and Creative Activity Grant, California State University San Marcos, 2003 – 2004, 2005 – 2006, 2009 – 2010, 2010 – 2011, 2011 Special Call, 2011-2012.
- Ontario Graduate Scholarship, Toronto, Canada, 2000-2001, 2001-2002
- University of Toronto Doctoral Fellowship, Toronto, Canada, 1998-1999, 1999-2000, 2000-2001, 2001-2002

### **SERVICE**

#### **PROFESSIONAL SERVICE**

##### **Sponsored Sessions Chair:**

INFORMS Annual Meeting 2009, San Diego.

##### **Journal Editorial Board:**

- International Journal of Information Systems and Supply Chain Management

##### **Journal Referee:**

- Operations Research
- Production and Operations Management
- Transportation Science
- Naval Research Logistics
- European Journal of Operations Research
- International Journal of Production Economics
- Annals of Operations Research
- Omega
- Computers and Operations Research
- International Journal of Information Technology & Decision Making
- Journal of Mathematical Modeling and Algorithms
- INFOR: Information Systems and Operations Research

#### **UNIVERSITY – LEVEL COMMITTEES**

- 2011 – 2012 CoBA Dean Search Committee (Member)
- 2011 – 2012 Academic Policy Committee (Chair)
- 2011 – 2012 Academic Senate's Executive Committee (Member)
- 2011 – 2012 Academic Senate (Member)
- 2010 – 2011 Academic Policy Committee (Chair)
- 2010 – 2011 Academic Senate's Executive Committee (Member)
- 2010 – 2011 Academic Senate (Member)

2007 – 2009 University Curriculum Committee (CoBA rep)  
2006 – 2007 University Curriculum Committee (At Large)  
2005 – 2006 Academic Senate (CoBA rep)

#### **COLLEGE – LEVEL COMMITTEES**

2011 – 2012 MBA Committee (Chair)  
2011 – 2012 CoBA Leadership Group (Member)  
2010 – 2011 MBA Committee (Chair)  
2010 – 2011 CoBA Leadership Group (Member)  
2010 – 2011 Health Information Technology Program Advisory Board (Co-Chair)  
2009 – Present Health Information Technology Program Advisory Board (member)  
2009 – 2010 MBA Committee (Department rep)  
2008 – 2009 MBA Committee (Chair)  
2008 – 2009 CoBA Leadership Group (Member)  
2007 – 2009 R&D Committee (Department rep)  
2002 – 2005 Undergraduate Curriculum Committee (Department rep)  
2003 – 2006 Senior Experience Advisory Board (Member)

#### **DEPARTMENT – LEVEL COMMITTEES**

2009 – Present Global Supply Chain Management Program Advisory Board (member)  
2005 – 2006 OM Recruitment Committee (Member)  
2004 – Present Course Coordinator of Operations Management

#### **REFERENCES**

##### **Dr. Oded Berman**

Sydney C. Cooper Chair in Business and Technology  
Professor  
Rotman School of Management  
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Phone (416) 978-4239  
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Industrial Engineering and Operations Research Department  
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##### **Dr. Vedat Verter**

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