Robert Aboolian

College of Business Administration
Cal State University San Marcos
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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

Fall 2022 — **Interim Chair**, Department of Operations and Supply Chain Management, College of Business Administration, California State University San Marcos, California

2013 – Present — **Professor**, Department of Operations and Supply Chain Management, College of Business Administration, California State University San Marcos, California

2013 – 2021 — **Chair**, Department of Operations and Supply Chain Management, College of Business Administration, California State University San Marcos, California

2014 – 2016 — **Faculty Director**, Specialized Accelerated MBA (SAMBA) program, College of Business Administration, California State University San Marcos, California

2008 – 2013 — **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 2022 — **Visiting Professor**, American University of Armenia, Yerevan, Armenia

Summer 2021 — **Visiting Professor**, American University of Armenia, Yerevan, Armenia

Summer 2020 — **Visiting Professor**, American University of Armenia, Yerevan, Armenia

Summer 2018 — **Visiting Professor**, American University of Armenia, Yerevan, Armenia

Summer 2017 — **Visiting Professor**, American University of Armenia, Yerevan, Armenia

Summer 2012 — **Visiting Associate Professor**, American University of Armenia, Yerevan, Armenia

Summer 2007 — **Visiting Assistant Professor**, 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

TEACHING

MBA and Graduate Courses:

- Operations and Supply Chain Management BA 645

- Business Forecasting OM 614

- Business Forecasting for Managers BA 649

- Global Supply Chain Management OM 616

- Statistics for Management BA 503

- Supply Chain Management BA 667

- Dynamic Pricing and Revenue Management BA 690J

- Foundations of Operations Management OM 502

- Operations and Supply Chain Management BA 662 **(**San Diego State University**)**

- Supply Chain Planning BM 586 **(**American University of Armenia**)**

- Business Analytics BUS 324 **(**American University of Armenia**)**

- Product Pricing and Development BM 588 **(**American University of Armenia**)**

- Supply Chain Management BUS 382 **(**American University of Armenia**)**

Undergraduate Courses:

- Foundations of Operations Management OM 302

- Operations Management OM 305

- Decision Models OM 406

- Supply Chain Management OM 428

- Pricing and Revenue Management OM 440

- Business Statistics BUS 304

- Project Management OM 435

- Business Statistics MGTC74 **(**University of Toronto**)**

- Operations Management: A Mathematical Approach MGTC75 **(**University of Toronto**)**

RESEARCH

RESEARCH INTERESTS

- Supply Chain Management
- Facility Location
- Non-Linear Integer Programming
- Supply Chain Network Design
- Preventive Health Care System Design

PUBLICATIONS-REFEREED JOURNALS

1. Aboolian, R., S. Elhedhli, and M. Karimi, "An Efficient Approach for Service System Design Problem with Immobile Servers, Stochastic Demand, Congestion, and Consumer Choice," *Journal of Supply Chain and Operations Management* 20(1) (2022), 1-30. Winner of Alan Khade Best Paper Award

2. Aboolian, R., O. Berman and M. Karimi, "Probabilistic Set Covering Location Problem in Congested Networks," *Transportation Science* 56(2) (2022), 265-298.

3. Aboolian, R., O. Berman and D. Krass, "Optimizing Facility Location and Design," *European Journal of Operational Research*, 289 (1) (2021), 31-43.

4. Aboolian, R., O. Berman and J. Wang, "Responsive Make-to-Order Supply Chain Network Design," *Naval Research Logistics*, 68 (2) (2021), 241-258.

5. Aboolian, R., E. Carrizosa, V. Guerrero and J. Wang, "Locating Service Facilities with Concave Variable Costs," *Journal of Supply Chain and Operations Management* 17(1) (2019), 96-110.

6. Aboolian R., O. Berman and V. Verter, "Maximal Accessibility Network Design in Public Sector," *Transportation Science* 50(1) (2016), 336-347.

7. Aboolian R., T. Cui and M. Shen, "An Efficient Approach for Reliable Facility Location problem," *INFORMS Journal on Computing* 25(4) (2013), 720-729.

8. Aboolian, R., O. Berman and D. Krass, "Profit Maximizing Distributed Service System Design with Congestion and Elastic Demand," *Transportation Science* 46(2) (2012), 247-261.

9. 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.

10. 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.

11. Aboolian, R., O. Berman and Z. Drezner, "Multiple Server Center Location Problem", *Annals of Operations Research* 167 (2009), 337-352.

12. 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.

13. 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.

14. 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.

15. Aboolian, R., O. Berman and Z. Drezner, "Location-Allocation of Service Units on a Congested Network," *IIE Transactions* 40(4) (2008), 422–433.

16. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problem," *European Journal of Operational Research* 182(1) (2007), 40-62.

17. 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

18. Aboolian, R., O. Berman and J. Wang, "Responsive Make-to-Order Supply Chain Network Design," *Proceedings of Sixth International Conference on Information Systems, Logistics and Supply Chain (ILS2016)*, Bordeaux, France, June 2016.

19. 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.

20. 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.

21. 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.

22. 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., O. Berman and M. Karimi, "Probabilistic Set Covering Location Problem in Congested Networks."

2. Aboolian, R., S. Elhedhli and M. Karimi, "An Efficient Approach for Service System Design with Immobile Servers, Stochastic Demand, Congestion, and Consumer Choice."

MANUSCRIPTS UNDER PREPARATION

1. Aboolian R., "A Location-Inventory Model for an Online Retailer."

2. Aboolian R. and M. Karimi, "An Efficient Approach for Service System Design with continuous service rate, and Concave Capacity Cost."

3. Aboolian R. and M. Karimi, "Benefit Maximizing Network Design in the Public Sector."

4. Aboolian R. and M. Karimi, "Reliable Facility Location Problem with Capacity Decisions."

CONFERENCE PAPERS INVITED

1. Aboolian R. and M. Karimi, "Socially Optimal Public Service Design," INFORMS Annual Meeting, Indianapolis, Indiana, October 2022.

2. Aboolian R. and M. Karimi, "Reliable Facility Location Problem with Capacity Decisions." INFORMS Annual Meeting, Virtual, November 2020.

3. Aboolian, R., Berman, O., & M. Karimi, "Probabilistic Set Covering Problem in a Congested Network. INFORMS Annual Meeting, Seattle, Washington, October 2019.

4. Aboolian, R., O. Berman and D. Krass, "Optimizing facility Location and Design," 9th IFAC/IFIP/IFORS/IISE/INFORMS Conference Manufacturing Modelling, Management and Control MIM, Berlin, Germany, August 2019.

5. Aboolian, R. & O. Berman, "Benefit Maximizing Network Design in the Public Sector," INFORMS Annual Meeting, Phoenix, Arizona, November 2018.

6. Aboolian, R., O. Berman and D. Krass, "Generalized Facility Location and Design Problem, " INFORMS Annual Meeting, Houston, Texas, October 2017.

7. Aboolian, R., O. Berman and D. Krass, "Optimizing Facility Location and Design," International Symposium on Locational Decisions (ISOLDE), Toronto, Canada, July 2017.

8. Aboolian, R., O. Berman and J. Wang, "Responsive Make-to-Order Supply Chain Network Design," International Symposium on Locational Decisions (ISOLDE), Toronto, Canada, July 2017.

9. Aboolian, R., O. Berman and D. Krass, "Joint Optimization of Location and Design of New Facilities," INFORMS Annual Meeting, Nashville, November 2016.

10. Aboolian, R., O. Berman and J. Wang, "Responsive Supply Chain Network Design," INFORMS Annual Meeting, Nashville, November 2016.

11. Aboolian, R., O. Berman and D. Krass, "Optimal Location and Design of competitive facilities under Elastic Demand," INFORMS International Conference, Hawaii, June 2016.

12. Aboolian, R., O. Berman and J. Wang, "Responsive Make-to-Order Supply Chain Network Design," International Conference on Information Systems, Logistics and Supply Chain, Bordeaux, France, June 2016.

13. Aboolian, R., E. Carrizosa and V. Guerrero, "An efficient Approach for Solving Uncapacitated Facility Location Problem with Concave Operating Costs," INFORMS Annual Meeting, San Francisco, November 2014.

14. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problem," International Symposium on Locational Decisions (ISOLDE), Naples, Italy, June 2014.

15. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problems with Large Number of Potential Designs," INFORMS Annual Meeting, Minnesota, October 2013.

16. Aboolian R., O. Berman and V. Verter, "Maximal Accessibility Network Design in Public Sector," INFORMS Annual Meeting, Phoenix, October 2012.

17. Aboolian R., "Responsive Supply Chain Design Problem for a Network of Make to Order Facilities," INFORMS Annual Meeting, Charlotte, November 2011.

18. 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.

19. Aboolian R., T. Cui and M. Shen, "An Efficient Approach for Supply Network Design under the Risk of Disruption," INFORMS Annual Meeting, Austin, November 2010.

20. Aboolian R., O. Berman and V. Verter, "An Efficient Exact Approach for Preventive Healthcare Facility Network Design," INFORMS Annual Meeting, Austin, November 2010.

21. Aboolian R., T. Cui and M. Shen, "Efficient Algorithms for the Reliable Facility Location Problem," INFORMS Annual Meeting, San Diego, October 2009.

22. Aboolian R. and S. Elhedhli, "Efficient Solution Approaches for Service System Design Problem," INFORMS Annual Meeting, San Diego, October 2009.

23. Aboolian, R., O. Berman and D. Krass, "Spatially-Distributed Make-to-Order System with Time-Sensitive Demand," INFORMS Annual Meeting, Washington, DC, October 2008.

24. Aboolian, R., O. Berman and D. Krass, "Maximizing Participation Benefits in a Socially Optimal Service System Design," WDSI, San Diego, March 2008.

25. Aboolian, R., O. Berman and D. Krass, "Profit Maximizing Service System Design with Elastic Demand," INFORMS Annual Meeting, Seattle, November 2007.

26. Aboolian, R., O. Berman and D. Krass, "Identifying Optimal Designs in Competitive Facility Location Models," INFORMS Annual Meeting, Seattle, November 2007.

27. 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.

28. Aboolian, R., O. Berman and Z. Drezner, "Location-Allocation of Service Units on a Congested Network," INFORMS Annual Meeting, Pittsburgh, November 2006.

29. Aboolian, R., O. Berman and D. Krass, "Optimizing Pricing and Location Decisions for Competitive Service Facilities Charging Uniform Price," INFORMS Annual Meeting, Pittsburgh, November 2006.

30. Aboolian, R., O. Berman and D. Krass, "Concurrent Pricing and Location Optimization for Competitive Service Facilities," CORS/Optimization Days, Montréal, Canada, May 2006.

31. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problems with Large Number of Potential Designs," INFORMS Annual Meeting, San Francisco, November 2005.

32. Aboolian, R., O. Berman and Z. Drezner, "Multiple Server Location Problem with Fixed Cost," INFORMS Annual Meeting, San Francisco, November 2005.

33. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problem on a Network," joint CORS/INFORMS conference, Banff, Canada, May 2004.

34. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problem," INFORMS Annual Meeting, Atlanta, October 2003.

35. Aboolian, R., O. Berman and D. Krass, "Efficient Solution Approaches for Flow Intercepting Spatial Interaction Location Models," INFORMS Annual Meeting, Atlanta, October 2003.

36. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problem," joint EURO/INFORMS conference, Istanbul, Turkey, July 2003.

37. Aboolian, R., O. Berman and D. Krass, "Optimizing Attraction Level of Facilities in Generalized Spatial Interaction Model," INFORMS Annual Meeting, San Antonio, November 2000.

38. Aboolian, R., O. Berman and D. Krass, "Generalized Spatial Interaction Model with Exponential Expenditure Function," INFORMS Annual Meeting, Salt Lake City, May 2000.

CONFERENCE PAPERS CONTRIBUTED

39. Aboolian, R. and M. Karimi, "Benefit Maximizing Network Design in Public Sector," European Working Group on Locational Analysis (EWGLA) Meeting, Aveiro, Portugal, September 2022.

40. Aboolian, R., Berman, O., & M. Karimi, "Probabilistic Set Covering Problem in a Congested Network," European Working Group on Locational Analysis (EWGLA) Meeting, Brussels, Belgium, June 2019.

41. Aboolian, R. and O. Berman, "Benefit Maximizing Public Facilities Network Design," EURO 2018 conference, Valencia, Spain, July 2018.

42. Aboolian, R., O. Berman and J. Wang, "Responsive Supply Chain Network Design," European Working Group on Locational Analysis (EWGLA), Edinburgh, United Kingdom, May 2018.

43. Aboolian, R., E. Carrizosa and V. Guerrero, "An efficient Approach for Solving Uncapacitated Facility Location Problem with Concave Operating Costs," MAGO'14, XII Global Optimization Workshop, Malaga, Spain, September 2014.

44. Aboolian, R., O. Berman and D. Krass, "Competitive Facility Location and Design Problems with Large Number of Potential Designs," ISOLDE XIII, Naples/Capri, Italy, June 2014.

45. Aboolian R., O. Berman and V. Verter, "An Efficient Exact Approach for Preventive Healthcare Facility Network Design," ECCO XXIII, Malaga, Spain, May 2010.

46. Aboolian, R., O. Berman and D. Krass, "Spatially-Distributed Make-to-Order System with Time-Sensitive Demand." ISOLDE XI, Santa Barbara, California, June 2008.

47. 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.

48. Aboolian, R., S. Lou, "Optimum Positioning of Base Stations in a Mobile Wireless Network," joint CORS/INFORMS conference, Banff, Canada, May 2004.

49. 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.

50. Aboolian, R., S. Lou, "Optimal Location of Base Stations in Cellular Network." INFORMS Annual Meeting, Denver, October 2004.

51. 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.

52. 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.

53. Aboolian, R., O. Berman and D. Krass, "Solution Approaches for a Special Class of Concave Integer Programs," INFORMS Annual Meeting, Miami, November 2001.

SERVICE

PROFESSIONAL SERVICE

External Reviewer: Master of Science in Industrial Engineering program in American University of Armenia during 2014/2015 Academic Year

Sponsored Sessions Chair: INFORMS Annual Meeting 2009, San Diego

Journal Editorial Board:

- International Journal of Applied Management Science
- 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
- IISE Transactions
- 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

2012 – 2013	Professional Leave Committee (Member)
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

2020 – present	R&D Committee (Member)
2018 – present	Assessment of Learning Committee (Member)
2022-2023	RTP Revision Task Force (Chair)
Fall 2022	CoBA Leadership and Operations Group (Member)
2012 – 2021	CoBA Leadership and Operations Group (Member)
2014 – 2020	Undergraduate Curriculum Committee (Chair)
2014-2016	Specialized MBA program (Faculty Director)
2012 – 2014	MBA Committee (Member)
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

Fall 2022	Interim Department Chair of Operations and Supply Chain Management
2013 – 2021	Department Chair of Operations and Supply Chain Management
2012 – present	Global Supply Chain Management Program Advisory Board (Co-Chair)
2021 – 2022	OM Recruitment Committee (Member)
2019 – 2020	OM Recruitment Committee (Member)
2018 – present	PRC (Member)
2016 – 2017	OM Recruitment Committee (Member)
2014 – 2015	OM Recruitment Committee (Chair)
2012 – 2018	Faculty Advisor of Global Supply Chain Management Club
2009 – 2012	Global Supply Chain Management Program Advisory Board (Member)
2005 – 2006	OM Recruitment Committee (Member)
2004 – Present	Course Coordinator of Operations Management

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.