

CURRICULUM VITAE

March 2016

I. PERSONAL DATA

Name: Manouchehr Vaziri

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Email: manouchehrvaziri@yahoo.com, vaziri@sharif.edu

II. EDUCATION

University Degree Programs

1. 1969-75, Shiraz (Pahlavi) University, Shiraz, (B.S.) Bachelor of Science Degree in Civil Engineering, March 1975, GPA: 3.39.
2. 1975-76, University of California, Davis, California, (M.S.) Master of Science Degree in Civil Engineering (transportation planning and engineering), June 1976, GPA: 3.83.
3. 1977-79, Armstrong University, Berkeley, California, (M.B.A.) Master of Business Administration (business administration), June 1979, GPA: 3.52.
4. 1979-80, Golden Gate University, San Francisco, California, (M.P.A.) Master of Public Administration (administration organization and management), January 1980, GPA: 3.71.
5. 1976-80, University of California, Davis, California, (Ph.D.) Doctor of Philosophy in Civil Engineering (transportation planning and engineering), September 1980, GPA: 3.87.

Training Programs

1. 1981, Polytechnic Institute of New York, Brooklyn, New York, (4.5 CEU's) Highway Capacity Analysis Course, February 1981.
2. 1983, Northwestern University, Evanston, Illinois, (3.0 CEU's) Microcomputer in Transportation, May 1983.
3. 1983-84, Kyoto University, Kyoto, Certificate of International Course for Graduate Research (Transportation Planning and Engineering), August 1984.
4. 1984, Center for international Cooperation for Computerization, Tokyo, Certificate of Intermediate Course of Computer Seminar, March 1984.
5. 1985, Polytechnic Institute of New York, Brooklyn, New York, (3.0 CEU's), The New Highway Capacity Manual, June 1985.
6. 1996, International Center for Theoretical Physics, Trieste, Italy, 3rd Autumn Workshop on Mathematical Ecology, October 1996.
7. 1999, International Symposium on Isotope Techniques in Water Resources Development and Management, IAEA, Vienna, Austria, May 1999.
8. 2002, Workshop on Project Planning, Monitoring and Evaluation, UN-ESCAP, Pattaya, Thailand, June 2002.
9. 2002, MS Access 2000 Software, UN-ESCAP, Bangkok, Thailand, August 2002.
10. 2002, Corporate Social Responsibility, Internet Web-based Course, World Bank, Washington DC, USA, September 2002.
11. 2002, Workshop for Infrastructure Policy, Berlin University of Technology, Berlin, Germany, October 2002.
12. 2014, Workshop on Resilient Cities, Sharif University of Technology, Tehran, Iran, September 2014.

III. PROFESSIONAL EXPERTISE AND ACTIVITIES

Area of Consulting and Research Specialization

Transportation engineering and planning, water resources planning, environmental planning, socio-economic development, sustainable development, logistics, globalization, project monitoring and evaluation, national and regional development, policy-making, engineering and planning, city and urban planning.

Society Membership

Registered as Professional Engineer, P.E., Kentucky State Board of Registration for Professional Engineers, No. 12250; Certified as a Land Surveyor In Training, LSIT, Kentucky State Board of Registration for Land surveyors; American Society of Civil Engineers, ASCE; Transportation Research Board, TRB; Institute of Transportation Engineers, ITE; Society of Automotive Engineers, SAE; Operation Research Society of Japan, ORSJ; International Association of Traffic and Safety Sciences, IATSS; Japan Society of Civil Engineers, JSCE; Institute of Transportation Studies at University of California, ITS; Engineer and Scientist of Cincinnati, ESC; The New York

Academy of Science; National Civil Engineering Honor Society , Chi Epsilon; The Scientific Research Society of North America, Sigma Xi.

Technical Committee Membership

1. Associate Faculty Advisor of ITE Student Chapter, University of Kentucky, Lexington, Kentucky, 1980 - 1987.
2. Higher Planning Commission for Engineering Programs, Civil Engineering Committee, Ministry of Education, Tehran, 1989 -1996, 2004-present.
3. Faculty Advisor of Civil Engineering Magazine of Sharif University of Technology, Tehran, 1989 - 1994.
4. Journal of Planning and Development, Publication Committee, Tehran, since 1990.
5. ASCE Transportation Journal, Publication Committee for Highway Division, New York, 1991.
6. Civil Engineering Committee of Azad Universities, Tehran, since 1991.
7. National Committee for Policies for Highway Geometric Design, Ministry of Housing, Tehran, 1992 - 1994.
8. Interchange Design Committee, City of Tehran Municipality, Tehran, 1992 - 1994.
9. Central Committee of Research Planning and Review, City of Tehran Municipality, Tehran, 1992-1994.
10. Chairman, International Relations and Cooperation Committee, Civil Engineering, Sharif University of Technology, Tehran, 1995-2002.
11. Transportation Committee, Persian Language and Literature Cultural Foundation, Tehran, 1997-2000.
12. The Caspian Sea Region Study Group, Sharif University of Technology, Tehran, 1998.
13. Project Management Committee, Sharif University of Technology, Tehran, since 2004.
14. Editorial Arbitrators Board, Modares Technical and Engineering Scientific Research Journal, since 2007.
15. Scientific Committee, Logistics and Transport International Conference Series, since 2012.
16. UNESCO Chair in Water and Environment Management for Sustainable Cities, since 2015.

Awards and Honors

Recipient of Ralph Teetor Award of Society of Automotive Engineers, 1982; Recipient of Monbusho Fellowship of Japanese Ministry of Education 1983; Who's Who in the South and Southwest, 19th Ed.; Personalities of the South, 13th Ed.; Personalities of America, 4th Ed.; The Biographical Roll of Honor, Vol. 3; The Directory of Distinguished Americans, 4th Ed.; Dictionary of International Biography, Vol. 19; American Men and Women of Science, 16th Ed.; Men of Achievement, 11th Ed.; The International Directory of Distinguished Leadership, 1st Ed.; Biography of the Year 1986, 1st Ed.; 1996-98 Gold Coin Scientific Paper Award, Iranian Research Council.

Grants and Contracts

1. "Application of Section 15 and Census Data to Transit Decision Making," U.S. Department of Transportation, Urban Mass Transportation Administration, University Research and Training Program, University of Kentucky, Lexington, Kentucky, as Principal Investigator, \$80,497, 7/15/82 - 10/15/83.
2. "Louisville Interstate Interchange Capacity Analysis," American Engineers, Lexington, Kentucky, as Consultant, \$1,500, 7/15/83 - 7/30/83.
3. "Traffic Trends and their Relationship to Highway User Revenues," Kentucky Transportation Cabinet, University of Kentucky, Lexington, Kentucky, as Co-Principal Investigator, \$12,000, 6/1/85 - 9/1/85.
4. "Capacity Analysis for Toll Roads," Spalding Engineers, Harrisburg, Kentucky, as Consultant, \$3,000, 1/1/84 - 2/1/84.
5. "National Transportation Planning Project, NTPP," Office of Infrastructure, Plan and Budget Organization, Tehran, as Member of Central Committee, R 550,000,000, 3/20/86 - 3/20/90.
6. "National Transportation Systems," United Nations Development Program, UNDP-IRA/88/003, as Member of Central Committee, \$245,000, 1/1/88 - 1/1/89.
7. "Demand Modeling for Global Air Transport," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 1,000,000, 3/20/88 - 3/20/89.
8. "Macro-economic Modeling for Rail Transport in Asian Countries," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 5,700,000, 3/20/89 - 3/20/90.
9. "Public Transportation Planning for Developing Countries," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 4,800,000, 3/20/90 - 3/20/92.
10. "Study of Pedestrian Traffic Behavior," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 1,800,000, 3/20/91 - 3/20/92.
11. "Psychological Factors in the Environment Associated with Transportation," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 1,570,000, 3/20/92 - 3/20/93.
12. "Standardizing the Geometric Design of Urban Highway and Streets," Ministry of Housing, Tehran, as Member of Technical Committee, R 150,000,000, 4/1/92 - 4/1/94.
13. "IVHS for Developing Countries," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 1,400,000, 3/20/93 - 3/20/94.
14. "IVHS Planning for Tehran," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 9,700,000, 3/20/94 - 3/20/96.
15. "Air Pollution Modeling for Tehran," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 9,700,000, 3/20/95 - 3/20/96.

16. "Irrigation Improvement Project," Loan 3570-IRN World Bank Project, the Iranian Ministry of Agriculture, as Member of Technical Proposal Review Committee for Monitoring, Evaluation, Socio-Economic Studies and Planning, and as Consultant for Project Monitoring and Evaluation, and the Iranian Ministry of Energy Liaison Office, as Consultant for Project Management and Control, \$300,000,000, 1/1/95 -1/1/02.
17. "Time Series Analysis of Tehran Air Pollution" Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 3,700,000, 3/20/96 - 3/20/97.
18. "ANN Modeling of Transportation Fleet Emission," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 3,700,000, 3/20/96 - 3/20/97.
19. "Study of Traffic Behavior at Unsignalized Intersections," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 9,700,000, 3/20/97 - 3/20/98.
20. "Developing Environmental Information System for Iran," Environmental Protection Agency, Tehran, as Consultant, R 300,000,000, 1/6//97 - 1/6/99.
21. "Study of the Urmia Lake Surface Water Level Fluctuations," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 12,900,000, 3/20/98 - 3/20/99.
22. "Comparative Appraisal of the Iranian Road Accidents with Asia Pacific Countries," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 21,500,000, 10/20/03 - 3/20/04.
23. "Principles and Guidelines for Highway ITS Development for Iran," Ministry of Transport, Tehran, as Controller, R 130,000,000, 2/20/04- 6/20/04.
24. "Principles and Guidelines for Railway ITS Development for Iran," Ministry of Transport, Tehran, as Controller, R 90,000,000, 2/20/04- 6/20/04.
25. "Application of Multi-criteria Analysis in Road Safety Appraisal," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 55,000,000, 10/20/04 - 3/20/05.
26. "Comparative Appraisal of Urban Transportation Sustainable Development," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 83,000,000, 10/20/05 - 3/20/06.
27. "Relations between Transport and Globalization," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 15,000,000, 10/20/06 - 3/20/07.
28. "Rural Transport Behavior in Iran," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 15,000,000, 3/20/06 - 3/20/07.
29. "Relations between Transport and Logistics," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 55,000,000, 3/20/06 - 3/20/07.
30. "Relations between Transport and Trade," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 75,000,000, 3/20/07 - 3/20/08.
31. "International Logistics," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 115,000,000, 3/20/08 - 3/20/09.
32. "Tri-continental Trade and Transport," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 120,000,000, 3/20/09 - 3/20/10.
33. "Logistics and International Transportation," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 115,000,000, 3/20/10 - 3/20/11.
34. "Logistics and Transportation, Aggregate Trade," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 95,000,000, 3/20/11 - 3/20/12.
35. "Logistics and Transportation, Disaggregate Trade," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 85,000,000, 3/20/12 - 3/20/13.
36. "Logistics and Transportation, Aggregate and Disaggregate Trade Comparison," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 95,000,000, 3/20/13 - 3/20/14.
37. "Asia-Europe-Africa Disaggregate Trade Comparison," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 65,000,000, 3/20/14- 3/20/15.
38. "Transport and Trade Trends for AEA Region," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 85,000,000, 3/20/15- 3/20/16.
39. "International Trade Trends for AEA Region," Office of Research, Sharif University of Technology, Tehran, as Principal Investigator, R 125,000,000, 3/20/16- 3/20/17.

Courses Taught

Introduction to Civil Engineering, Route Surveying, Civil Engineering System Analysis, Civil Engineering Planning, Introduction to Transportation Engineering and Planning, Engineering Economy, Water Resources Planning, Project Control and Decision Making, Transportation Demand Analysis, Advance Air Transportation Demand Analysis, Traffic Engineering, Traffic Flow Theory, Highway Geometric Design, Highway Engineering, Urban Public Transportation, Transportation Systems Engineering, Urban Transportation Planning, Transportation for Developing Countries, Transportation and Environment, Introduction to Public Administration, Introduction to Business Administration, Quantitative Analysis in Management, Principles of Management, Project Monitoring and Evaluation.

Graduate Student Thesis Supervision

1. Sabouni, A. "Evaluation of Public Transportation Systems," M.S. Thesis, University of Kentucky, 1983.
2. Sad, C. "Cost Functions for Public Transportation," M.S. Thesis, University of Kentucky, 1985.

3. Kasrai, S. "Time-Series Analysis of Relationship between Speed and Accident," M.S. Thesis, University of Kentucky, 1986.
4. Osumah, F. "Taxonomy of World Air Transport," Ph.D. Dissertation, University of Kentucky, 1986.
5. Sahar, H. "Systematics of National Rail Transportation," Ph.D. Dissertation, University of Kentucky, 1987.
6. Sayfi, A. "Distribution Modeling of Selected Commodities," M.S. Thesis, Sharif University of Technology, 1989.
7. Khorsandi, A. "Evaluation of Delay Models for Signalized Intersections," M.S. Thesis, Sharif University of Technology, 1993.
8. Mohammadian, M. "Relationships between Flow, Speed and Density for Expressways," M.S. Thesis, Sharif University of Technology, 1993.
9. Haydari, A. "Traffic Flow Study of Ramp Junctions," M.S. Thesis, Sharif University of Technology, 1994.
10. Moazemi, A. "A Study of Air Pollution Characteristics of Transportation Fleet in Tehran," M.S. Thesis, Sharif University of Technology, 1995.
11. Ghobadian, A. and Sakhaii, A. "A Time-Series Analysis of Air Pollution for Tehran," M.S. Thesis, Sharif University of Technology, 1996.
12. Bagheri, M. and Shahidzadeh Asadi, H. "Application of Fuzzy Logic in Intersection Traffic Control Systems," M.S. Thesis, Sharif University of Technology, 1996.
13. Kolahdooz, M. "Traffic Behavior at Stop Signs," M.S. Thesis, Sharif University of Technology, 1996.
14. Tutunchi, A. "Application of Fuzzy Theory in Transportation Environmental Impact Assessment," M.S. Thesis, Sharif University of Technology, 1998.
15. Shabani, H. "Time Series Analysis of Air Pollution and Energy Consumption for Tehran," M.S. Thesis, Sharif University of Technology, 1998.
16. Jafarpour, A. "Simulation Modeling of Freight Transport for the Caspian Sea," M.S. Thesis, Sharif University of Technology, 1998.
17. Sadat-Hussein, S. M. "Modeling Shipping Transportation for the Caspian Sea," M.S. Thesis, Sharif University of Technology, 1998.
18. Jafarabadi, M. "Developing Congestion Index for Iranian Highways," M.S. Thesis, Sharif University of Technology, 1999.
19. Hashemloo, B. "Modeling Iranian Highway Noise Pollution with Traffic and Environmental Characteristics," M.S. Thesis, Sharif University of Technology, 1999.
20. Mohammadi, M. "Highway Capacity Analysis Under Unusual Conditions," M.S. Thesis, Sharif University of Technology, 1999.
21. Eshraghi, M. "CO Air Quality Modeling for Urban Intersections," M.S. Thesis, Sharif University of Technology, 2002.
22. Gandomcar, A. "Air Quality Modeling for Tunnels and Under-Passes," M.S. Thesis, Sharif University of Technology, 2002.
23. Rasafi, A. "Measuring and Modeling of Sustainable Development for National Transportation," Ph.D. Dissertation, Sharif University of Technology, 2004.
24. Mostaghimi, S. "An Appraisal of the Asian Highway Network," M.S. Thesis, Sharif University of Technology, 2004.
25. Mohammadi-Pour, A.H. "An Appraisal of the Asian Railway Network," M.S. Thesis, Sharif University of Technology, 2004.
26. Tafazoli-Yazdi, M. "An Appraisal of Inter-Model Transport for the Asian Regional Networks," M.S. Thesis, Sharif University of Technology, 2005.
27. Rezaei, A. "Transportation and Globalization: A Comparative National Appraisal," M.S. Thesis, Sharif University of Technology, 2006.
28. Hagh-Shenas, H. "Transportation Characteristics of Iranian Rural Areas in the Esfahan Province," M.S. Thesis, Sharif University of Technology, 2006.
29. Amir-Jamshidi, G. "Transport Efficiency of Asian Regional Trade Patterns," M.S. Thesis, Sharif University of Technology, 2007.
30. Tabatabai, S. "Transport Efficiency of Global Crude Oil Trade Patterns," M.S. Thesis, Sharif University of Technology, 2007.
31. Dehghani, M.S. "Application of Fuzzy Theory in Highway Level of Service Prediction," M.S. Thesis, Sharif University of Technology, 2007.
32. Sadat-Hussein, S. M. "Application of Image Processing in Freeway Traffic Flow Characterization," Ph.D. Dissertation, Sharif University of Technology, 2008.
33. Khademi, E. "Time-series Analysis of Transport and Trade for Asia," M.S. Thesis, Sharif University of Technology, 2008.
34. Omrani, R. "Time-series Trends of Global Energy Trade and Transport," M.S. Thesis, Sharif University of Technology, 2008.
35. Dashtestani, H. "An Appraisal of Interregional Transport Networks for the Asia-Europe-Africa," M.S. Thesis, Sharif University of Technology, 2008.
36. Daneshfar, M. "Traffic Behavior at Intersections Without Traffic Signal," M.S. Thesis, Sharif University of Technology, 2008.

37. Asgari, H.R. "Disaggregate Modeling of Rural Transportation," M.S. Thesis, Sharif University of Technology, 2009.
38. Salimi, F. "Activity Based Modeling of Rural Transportation," M.S. Thesis, Sharif University of Technology, 2009.
39. Keyan-Ekbatani, M. "A Comparative Appraisal of BRT, RB and RRT for Tehran," M.S. Thesis, Sharif University of Technology, 2009.
40. Azari, K. "The Highway Median Influence on Vehicle's Turning Movements," M.S. Thesis, Sharif University of Technology, 2009.
41. Ghadiri Faraz, B. "A Transportation Appraisal of Interregional Trades for the Asia-Europe-Africa," M.S. Thesis, Sharif University of Technology, 2010.
42. Mostafai Mirabadi, M.H. "Air Quality Modeling for Tunnels with Actuated Ventilation," M.S. Thesis, Sharif University of Technology, 2010.
43. Elahi, H. "A Study of Air Pollution Characteristics of Transportation Fleet in Iranian Cities," M.S. Thesis, Sharif University of Technology, 2011.
44. Jokar, H. "Determining Two Lane Highway Passing Sight Distance for Iranian Drivers," M.S. Thesis, Sharif University of Technology, 2011.
45. Alizadeh, H. "Air Quality Modeling for Long Tunnels with Actuated Ventilation," M.S. Thesis, Sharif University of Technology, 2011.
46. Asadabadi, H. "Traffic Accident Detection and Modeling for Highway Sensors," M.S. Thesis, Sharif University of Technology, 2011.
47. Mortazavi, M.S. "Highway Tunnel Noise Pollution Modeling," M.S. Thesis, Sharif University of Technology, 2010.
48. Shafii, M. "Nano-Technology Based Additives in Prolonging Asphalt Life," M.S. Thesis, Sharif University of Technology, 2011.
49. Poorjafai, M. "Traffic Flow Characteristics in Frontage Roads," M.S. Thesis, Sharif University of Technology, 2012.
50. Saidiyanfar, A. "Traffic Flow Characteristics of Two-Lane Highways," M.S. Thesis, Sharif University of Technology, 2012.
51. Jafari, A.H. "Traffic Flow Characteristics of On-Ramp and its Control," M.S. Thesis, Sharif University of Technology, 2012.
52. Hagh-Shenas, H. "Urban Transport Sustainable Development: A Comparative Analysis," Ph.D. Dissertation, Sharif University of Technology, 2013.
53. Ramazani, A. "Driver Behavior at Highway and Railroad Crossing," M.S. Thesis, Sharif University of Technology, 2013.
54. Hosseini, P. "Concrete Nano Additive Timing Optimization for Truck Mixer," M.S. Thesis, Sharif University of Technology, 2013.
55. Sohrabi, A. "Transport and Trade Trends of Various SITC Goods Categories for Asia, Africa and Europe," M.S. Thesis, Sharif University of Technology, 2014.
56. Mirzazadeh, B. "Transport and Trade Trends of Various Food and Live Animal Products for Asia, Africa and Europe," M.S. Thesis, Sharif University of Technology, 2014.
57. Yahyazadeh, A. "Stopping and Decision Sight Distance for Bus Drivers," M.S. Thesis, Sharif University of Technology, 2014.
58. Rezai, V. "Driver Behavior at Yield Sign at Intersections," M.S. Thesis, Sharif University of Technology, 2015.
59. Dashtestani, H. "Rural Transportation Needs and Behavioral Modeling for Iranian Villages," Ph.D. Dissertation, Sharif University of Technology, 2015.
60. Mansoori, M. "Transport Behavior of Herder Nomads in Iran: A Case Study of Ghashghai Tribe," M.S. Thesis, Sharif University of Technology, 2016.
61. Arevin, R. "Transport Behavior of Farmer Nomads in Iran: A Case Study of Ghashghai Tribe," M.S. Thesis, Sharif University of Technology, 2016.
62. Kaafi, A. "Pedestrian Behavior Modeling in Bazars: A Case Study of Tehran Bazar Jewelry Section," M.S. Thesis, Sharif University of Technology, 2016.
63. Mjadi, A. "Transportation Study of Tourist Villages: A Case Study of Kashan Ghamsar Village," M.S. Thesis, Sharif University of Technology, 2016.
64. Azizian, H. "Urban Transport Aggregate Demand and Supply Structural Modeling for World Cities and Experts Stated Appraisals," Ph.D. Dissertation, Sharif University of Technology, 2016.

IV. PROFESSIONAL EMPLOYMENT

1. Professor (Fall 2003 to Present): Department of Civil Engineering, Sharif University of Technology, Tehran, Iran. Teaching, conducting research and consulting in the fields of rural transport, logistics, globalization, regional multi-modal transport, sustainable development, environment and transportation, development and planning, project monitoring and control, CE-SUT international affairs contact person, UNESCO Chair in water and environment management for sustainable cities.

2. Economic Affairs Officer (Fall 2001 – Fall 2003): Transport Policy and Tourism Section, Transport and Tourism Division, Economic and Social Commission for Asia and Pacific, United Nations, UN-ESCAP, Bangkok, Thailand. Undertaking transport policy analysis and development for the UN-ESCAP 61 member countries. Undertaking technical training and cooperation activities in different transport areas including sustainable development, private sector participation, integrated planning, road safety and road accident database, infrastructure risk analysis and management. Contributing to the other transport related UN-ESCAP substantive and administrative activities.
3. Visiting Professor (Winter 2000 – Summer 2000): Department of Civil Engineering, The State University of New Jersey, Rutgers, Piscataway, New Jersey, US. Conducting research and teaching in the fields of transportation and environmental engineering, policy development and planning.
4. Associate Professor (Fall 1987 – Fall 2001): Department of Civil Engineering, Sharif University of Technology, Tehran, Iran. Established the graduate program of transportation planning and engineering, teaching, conducting research and consulting in the fields of development and planning, transportation, water resources and systems analysis. Coordinator of International Relations and Cooperation Committee.
5. Visiting Professor (Spring 1994 - Winter 1995): Department of Civil Engineering, University of Delaware, Newark, Delaware, US. Conducting research in the fields of artificial intelligence, artificial neural network and fuzzy logic.
6. Assistant Professor (Fall 1980 - Summer 1987): Department of Civil Engineering, University of Kentucky, Lexington, Kentucky, US. Teaching, conducting research and consulting in the fields of transportation planning and engineering, systems analysis and operation research, regional and urban planning, water resources and regional development.
7. Visiting Scholar (Fall 1983 - Fall 1984): Department of Transportation Engineering, Kyoto University, Kyoto, Japan. Conducting research in the fields of transportation planning, urban and regional planning, human needs and design.
8. Teaching Assistant (Fall 1979 - Summer 1980): Department of Civil Engineering, University of California, Davis, California, US. Teaching courses in the fields of transportation planning and engineering, operation research and systems analysis.
9. Research Assistant (Spring 1977 - Fall 1977): Department of Civil Engineering, University of California, Davis, California, US. Conducting research for the Sacramento area transit study, market analysis and computer demand modeling.
10. Engineer (Fall 1969 - Spring 1975): Ziband Consulting Engineers, Tehran, Iran. Designing steel and concrete structures, cost estimate and project scheduling, route surveying and highway design, project monitoring and evaluation.

V. PUBLICATIONS

Refereed Journal Article

1. Vaziri, M. and Lam, T. "Perceived Factors Affecting Driver Decision," ASCE Transportation Journal, Vol. 109, No. 2, 1983, pp. 297-312.
2. Vaziri, M. and Deacon, J. "Peer Comparisons in Transit Performance Evaluation," Transportation Research Record, TRB, No. 961, 1984, pp. 13-21.
3. Vaziri, M. and Lam, T. "Interactions Between Land-use Development and Transportation Development," Journal of Socio-Economic Planning Sciences, Vol. 19, No. 2, 1985, pp. 87-94.
4. Vaziri, M. "Time Series Analysis of Kentucky Coal Production," Journal of Mining Science & Technology, Vol. 3, No. 4, 1986, pp. 301-307.
5. Vaziri, M. and Deacon, J. "Choosing Performance Indicators for Transit Decision Making," Journal of Transport Policy and Decision Making, Vol. 3, 1986, pp. 323-340.
6. Vaziri, M. "Consideration of Special User Groups in Transit Operation and Finance," Transportation Research Record, TRB, No. 1098, 1987, pp. 20-25.
7. Vaziri, M. and Hutchinson, J. "Short Run Forecasting of United States Coal Production," International Journal of Mining and Geological Engineering, No. 5, 1987, pp. 419-432.
8. Vaziri, M. "Temporal Analysis of Handicapped Ridership in Specialized Transportation Service: Lexington / Fayette County Experience," Transportation Research Record, TRB, No. 1212, 1989, pp. 101-107.
9. Vaziri, M., Hutchinson, J. and Kermanshah, M. "Short Term Demand for Specialized Transportation: Time Series Model Application," ASCE Transportation Journal, Vol. 116, No. 1, 1990, pp. 105-122.
10. Vaziri, M. "Pedestrian Flow Characteristics," Jadeh, Vol. 5, No. 1, 1991, pp. 68-75.
11. Vaziri, M. "Intelligent Vehicle Highway Systems in the United States," Civil Engineering Magazine, No. 5, 1992, pp. 37-42.
12. Vaziri, M. "Taxonomy of Global Air Transport," I.R. Journal of Engineering, Vol. 6, No. 4, 1993, pp. 147-159.
13. Vaziri, M. "Evaluation of Civil Engineering Journals," Sharif, Vol. 10, No. 9, 1994, pp. 36-42.
14. Vaziri, M. and Borghei, M. "A Study of the Caspian Sea Surface Water Level Fluctuations," I.R. Journal of Science and Technology, Vol. 19, No. 4, 1995, pp. 399-405.

15. Vaziri, M. "Commodity Distribution Modeling and Evaluation for Iran," I.R. Journal of Science and Technology, Vol. 19, No. 4, 1995, pp. 311-325.
16. Vaziri, M. "Predicting the Caspian Sea Surface Water Level by ANN and ARIMA Models," ASCE Journal of Waterway, Port, Coastal and Ocean Engineering, Vol. 123, No. 4, 1997, pp. 158-163.
17. Bindra, S., Vaziri, M. and Pastei, M. "Traffic Safety, the Environment, and Urbanization in Iran: a Complex Link," Indian Highways, Vol. 11, No. 25, 1997, pp. 9-23.
18. Vaziri, M. "A Study of Traffic Behavior at Isolated Off Ramps: the Iranian Experience," I.R. Journal of Engineering, Vol. 11, No. 3, 1998, pp. 135 -145.
19. Vaziri, M. and Borghei, M. "Analysis of Caspian Sea Surface Water Level by the help of Time Series," The Caspian Sea Quarterly Magazine, No. 3, 1999, pp. 33-37.
20. Faghri, A., Aneja, S. and Vaziri, M. "Estimation of Percentage of Pass-by Trips Generated by a Shopping Center Using Artificial Neural Networks," Transportation Planning and Technology, Vol. 4, No. 22, 1999, pp. 271-286.
21. Vaziri, M. "Modeling Transportation Fleet Emission by Artificial Neural Network," Scientia Iranica, Vol. 8, No. 1, 2001, pp. 10-16.
22. Vaziri, M. "Development of Highway Congestion Index Using Fuzzy Set Models," Transportation Research Record, TRB, No. 1802, 2002, pp. 16-22.
23. Vaziri, M. and Maher, M. "Traffic Behavior at Urban Intersection Stop Sign and Blinking Red Signal: the Iranian Experience," Scientia Iranica, 2003, Vol. 10, No.1, pp. 131-141.
24. Rasafi, A. and Vaziri, M. "African Sustainable Transport by Numbers," Sustainable Development in Africa, Vol. 5, No. 2, 2003, pp. 92-110.
25. Rasafi, A., and Vaziri, M. "Modeling Road Transport Sustainability," TB Journal of Engineering, Vol. 14, No. 3, 2004, pp. 113-127.
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VI. LANGUAGES

Mother tongue: Farsi (Persian)

Other languages: English (fluent written and verbal proficiency)

Japanese, Arabic, Thai and French (minimal working knowledge)