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Curriculum Vitae (CV)
(November 2023)

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Adjunct Professor, *Montreal Polytechnique*, Montreal, Canada.

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Links (my research & social web pages)



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1 Background

1-1 Educational Background

1. Ph. D. in **Transportation Planning & Engineering**, Civil Engineering Faculty, *Sharif University of Technology*, Tehran, Iran, 2005.
2. MS in Socio-Economic Systems Engineering, **Transportation Planning**, *Institute for Management & Planning Studies*, Tehran, Iran, 1997.
3. B.S. in **Mechanical Engineering**, Heat & Fluids, Mechanical Engineering Faculty, *Sharif University of Technology*, Tehran, Iran, 1989.
4. High School Diploma in **Mathematics & Physics**, *Shahid Dr. Beheshti High School*, Tehran, Iran, 1983.
5. Grades Form Upper 3 & Form 4, *New Warran School*, Plymouth, England, 1978-1980.

1-2 Academic Background

1. Sabbatical leave, *Montreal Polytechnique*, Department of Civil, Geological & Mining Engineering, Montreal, Canada, 10 Oct 2022 to 10 Jun 2023.
2. Adjunct Professor, *Montreal Polytechnique*, Department of Civil, Geological & Mining Engineering, Montreal, Canada, since 15 May 2023 ([link1](#)) ([link2](#)).
3. Associate Professor, *Tarbiat Modares University*, since 15 Sep 2016 ([link](#)).
4. Assistant Professor, *Tarbiat Modares University*, 31 Aug 2009 to 15 Sep 2016.
5. Invited Professor, *Institute for Management & Planning Studies*, since Feb 2013 ([link](#)).
6. Invited Assistant Professor, *Tarbiat Modares University*, Jan 2008 to Jul 2009.
7. Assistant Professor, *Institute for Management & Planning Studies*, 24 Aug 2005 to 31 Aug 2009.
8. Lecturer, *Institute for Management & Planning Studies*, Feb 1999- Aug 2005.
9. Member of Spatial & Regional Planning Research Group, *Institute for Management & Planning Studies*, since Nov 2004.
10. Research Assistant, Institute for Transportation Studies, Center for Transportation Studies & Research, *Sharif University of Technology*, 1995-2005.
11. Teaching Assistant, Civil Engineering Faculty, *Sharif University of Technology*, 1997-2004.

1-3 Professional & Industrial Background

1. Member of Transportation Council, *Parliament Research Center*, December 2020-November 2023.
2. Member of Press Council, *Road, Housing & Urban Development Research Center*, Ministry of Roads & Urban Development, since June 2015.
3. Transportation & Traffic Technical Committee Member, *Tehran Research & Planning Center- Tehran Municipality*, June 2014-2018.
4. Transportation & Traffic Advisor, *Tehran Research & Planning Center- Tehran Municipality*, April 2013-2018.
5. Transportation Advisor & Technical Committee Member, *Tehran Comprehensive Transportation & Traffic Studies Company (TCTTS)- Tehran Municipality*, 2011-2016.
6. Technical Committee Advisor, *Tarhe Now Andishan (TNA) Consulting Engineers*, May 2009-2015.
7. Transportation Advisor, *Wilbur Smith Associates*, 2005-2006.

8. Transportation & Traffic Advisor, *Tehran Research & Planning Center- Tehran Municipality*, 2004-2006.
9. Transportation & Traffic Advisor, *Arman Taradod Pars*, 2008-2013.
10. Transportation & Traffic Advisor, *Tarrahan Parseh Transportation Research Institute*, since 2008.
11. Transportation & Traffic Advisor, *Pouya Tarh Pars Consultants*, since 2005.
12. Transportation Advisor, *Tarh Rahaye Talayee Consultants*, since 2004-2005.
13. Transportation & Traffic Consultant, Mashad Traffic Organisation, *Mashad Municipality*, 2001.
14. Transportation Consultant, *Tehran Province Scientific & Industrial Services*, 2000-2001.
15. Transportation Consultant, *Transportation & Terminals Organisation- Ministry of Road & Transportation*, 1999-2000.
16. Transportation Researcher & Consultant, *Tehran Comprehensive Transportation & Traffic Studies*, 1997-2001.
17. English Instructor, 1984-1996.

1-4 Managerial & Executive Background

1. Head of Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, since 24 June 2023 ([link1](#)) ([link2](#)).
2. Acting Dean, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 14 April 2019 to 19 Dec 2019 ([link](#)).
3. Deputy Dean for Academic Affairs, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 8 March 2017 to 30 Dec 2019 ([link1](#)) ([link2](#)).
4. Member of the Educational Council, School of Engineering, *Tarbiat Modares University*, February 2019 to December 2019.
5. Member of the Supervisory Council, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, May 2017 to December 2019.
6. Head of the Supervisory Council, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2019 ([link](#)).
7. Head of Transportation Engineering Laboratory, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, since 2019.
8. Head of Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 6 Oct 2013 to 13 April 2018.
9. Head of Highway Engineering & Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 15 Mar 2011 to 6 Oct 2013.
10. Member of Scientific & Executive Council of Joint Courses, *Tarbiat Modares University & Tarahan Parseh Transportation Research Institute*, since June 2013.
11. Research Deputy Planning Committee Vice Chair, *Institute for Management & Planning Studies*, 2008.
12. Member of Research Council, *Institute for Management & Planning Studies*, Jun 2007 to Sep 2008.
13. Director General, Research Planning & Coordination Office, *Institute for Management & Planning Studies*, 13 Jun 2007 to 14 Sep 2008.
14. Member of ICT Council, *Institute for Management & Planning Studies*, Mar 2007 to Sep 2008.
15. Member of Job Evaluation Committee, *Institute for Management & Planning Studies*, Mar 2007 to Sep 2008.

16. Member of Research Committee, *Iranian Association of Rail Transport Engineering*, since Sep 2007.
17. Director General, Educational Planning & Modeling Office, *Institute for Management & Planning Studies*, 12 Nov. 2006 to 13 Jun 2007.
18. Member of Management Council, *Institute for Management & Planning Studies*, Nov. 2006 to Sep 2008.
19. Head of Transportation Planning & Economics Research Group, *Institute for Management & Planning Studies*, Jun 2006 to Jul 2009.
20. Head of Transportation & Logistics Group, *Terhe-No-Andishan Consulting Engineers*, July 2004-May 2009.
21. Head of Transportation Studies Group, *Institute for Management & Planning Studies*, 2003-2005.

1-5 Journal Editorial Board Membership

1. *International Journal of Transportation Engineering (IJTE)*, Tarrahan Parseh Transportation Research Institute & Iranian Association of Transportation Engineering, Tehran, Iran, since 2012 (English Journal) ([link](#)).
2. *Journal of Geotechnical & Transportation Engineering (JGTTE)*, ISSN: 2379-8769 (Print) & 2379-8777 (Online), since 2016 (English Journal) ([link](#)).
3. Transportation Safety, *Frontiers in Future Transportation (FFT)*, ISSN: 2673-5210 (Open Access), Associate Editor since 2021 (English Journal) ([link](#)).
4. *Journal of Transportation Engineering*, Iranian Society of Transportation Engineering, Tehran, Iran, since 2012 (Farsi Journal) ([link](#)).
5. *Quarterly Journal of Traffic Management Studies*, Amin police University, since 2018 (Farsi Journal) ([link](#)).
6. *Road Journal*, Road, Housing & Urban Development Research Center (Farsi Journal) ([link](#)).
7. *Transportation Research Journal*, Road, Housing & Urban Development Research Center (Farsi Journal) ([link](#)).
8. *Traffic Engineering Journal*, Traffic & Transportation Organization, Tehran Municipality (Farsi Journal) ([link](#)).

1-6 MS & PhD Courses

1. Research Methodology
2. Transportation Planning
3. Transportation Demand Analysis
4. Transportation Systems Analysis
5. Advanced Transportation Planning
6. Behavioral Modeling in Transportation
7. Modeling in Transportation Planning
8. Operations Research

2 Industry & Research Projects

1. Intelligent Transportation Systems: ITS (project team member).
2. Updating of the Transportation Master Plan of Mashad (project advisor).
3. Feasibility Study & Location of the Megaport in Booshehr Province (project advisor).
4. The Role of Booshehr Port in Freight Transit of the Country (Transport Studies manager).

5. Wheat Storage Facilities Location & Expansion Studies (project advisor).
6. Comprehensive Transportation Master Plan for the city of Isfahan (project team member).
7. Comprehensive Transportation Master Plan for the city of Shiraz (project team member).
8. Comprehensive Transportation Master Plan for the city of Mashad (project team member).
9. Advanced Traveler Information Systems for the city of Tehran (project advisor).
10. Fatality Analysis of Road Accidents in the Country (project advisor).
11. Tehran-Karaj Rail Transit Studies (project advisor).
12. Tehran Comprehensive Transportation & Traffic Studies (project team member).
13. Khouzestan Steel Company Site Transportation Planning & Management (project manager).
14. Tehran & Suburbs Comprehensive Studies (project advisor).
15. Estimation of Telecommuting Demand Function for Different Jobs (project team member).
16. Role of Telecommunications Technology in Urban Travel Behavior (project team member).
17. Comprehensive Transportation Studies of Iran (Transport Modeling advisor).
18. Comprehensive Studies of Hierarchical Structure of Researches in Transportaion Planning & Management (project manager).
19. Comprehensive & Detailed Studies of the city of Tehran (project advisor).
20. Comprehensive Studies of CNG Station Location Problem (project manager).
21. Innovative Traffic Congestion Alleviation for Dubai (project advisor).
22. Teleworking Impact Study for the City of Tehran (project manager).
23. Material Flow Modeling & Optimization for Iran National Industrial Steel Group (project advisor).
24. Inter-Urban Passenger & Freight Transportation Demand Management Evaluation & Model for Iran (project advisor).
25. Inter-Urban Transportation Research Topics Identification for Time Period 2009-2013 (project manager).
26. Urban Transportation Fuel Consumption Factors Identification & Suggestions for its Control (technical manager).
27. Duplicate Inter-Urban Transportation Analysis & Suggestions for its Decrease for Iran (project advisor).
28. Blue City Master Plan Revision (project team member), 2007, Rah Shahr Consulting Engineering Group (RSCEG).
29. Supervision of Comprehensive Transportation Updating Studies of Mashad (project manager).
30. Supervision of Mashad Traffic Restricted Area Revision & Extension Studies (member of supervision team).
31. Supervision of Comprehensive Transportation Studies of Hamedan (technical manager).
32. Supervision of Daily Activities Scheduling Studies of Mashad (project manager).
33. Transportation Network Performance Analysis at times of Disaster (project manager).
34. Tehran Multi Airport Network Studies (technical manager).
35. Increasing the Share of Inter Urban Passenger Public Transportation Studies (project advisor).
36. Tehran Parking Comprehensive Studies (project advisor).
37. Tehran Bicycle Comprehensive Studies (project advisor).
38. Telecommuting Infrastructure Needs (project advisor).
39. Qazvin Province Comprehensive Transportation Studies (project advisor).
40. Strategic Studies of Freight Comprehensive Transportation Studies of Tehran Metropolis (project supervisor).
41. Supervision of Comprehensive Transportation Studies of Bushehr city (project manager).

42. Tehran Construction Code Assessment based on TOD Principles (project supervisor).
43. Bushehr Province Comprehensive Transportation Studies (Demand modeling manager).
44. Kerman Province Comprehensive Transportation Studies (project advisor).
45. Iran Rail Network Freight Transportation Demand & Capacity Analysis (project supervisor).
46. Cordon Pricing of Tehran CBD & its Effectiveness (project manager).
47. Assessment of Tehran new traffic scheme & feasibility of its extension to odd-even area (project manager).
48. Supervision of Comprehensive Transportation Studies of Shiraz city (joint project manager & technical manager).
49. Tehran Transportation & Traffic Studies & Policies (project manager).
50. Tehran Transportation Demand Management Studies (project manager of TMU consortium).
51. Planning & Research Services of the 18th International Conference on Traffic & Transportation Engineering (joint project manager & technical manager).
52. Supervision of Comprehensive Transportation Studies of Qom (project team member).
53. Location & Layout Studies of Qazvin Logistics Village (joint project manager & technical manager).
54. Implementation of Models & Algorithms of Shiraz Comprehensive Transportation Studies in Visum (joint project manager & technical manager).
55. Comprehensive Pedestrian Trips Studies of Shiraz (joint project manager & technical manager).
56. Kerman Comprehensive Transportation & Traffic Studies (joint project manager & technical manager).
57. Planning & Research Services of the 19th International Conference on Traffic & Transportation Engineering (joint project manager & technical manager).
58. Sustainable Urban Mobility Research in Central Asia (SUMRICA), Technical University of Berlin (Iranian delegate) ([link1](#)) ([link2](#)).

3 Publications

3-1 Books (Farsi)

1. Mamdoohi AR & Abbasi M, *Computer simulation by Aimsun with applied examples (traffic engineering & transportation planning)*, ACECR Publication, Amirkabir University of Technology, Tehran, Iran, 2020 ([link](#)).
2. Mamdoohi AR & Zarei H, *Cyber physical systems of intelligent transportation & intelligent cities*, in *Urban & regional transportation policies for new cities* (1st edition, No. 4, pp. 115-139), BHRC Publication, Tehran, Iran, 2017 ([link](#)).
3. Mamdoohi AR, Mahpur A & Masudi M, *Impact of earthquake on the capacity of roads*, 1st edition, BHRC Publication, Tehran, Iran, 2021 ([link](#)).
4. Mamdoohi AR & Mehdizadeh M, *Transportation Demand Analysis*, Farsi translation, Tarbiat Modares University Publication, Tehran, Iran, 2020 ([link](#)).

3-2 Peer-reviewed International Journal Papers (English)

1. Mamdoohi AR & Kermanshah M, *Traffic information use modeling in the context of a developing country*, **Periodica Polytechnica Transportation Engineering**, Vol. 33, No. 1, pp. 125-137, Budapest University of Technology & Economics, 2005 ([link](#)).

2. Mamdoohi AR, Kermanshah M & Poorzahedy H, *Telecommuting suitability modeling: an approach based on the concept of Abstract Job*, **Transportation**, Vol. 33, No. 4, pp. 329-346, Springer, Netherlands, July 2006 (ISI) ([link](#)).
3. Mamdoohi AR & Ardeshiri A, *An approach for the estimation of aggregate potential telecommuting demand*, **International Journal of Engineering, Transactions A: Basics**, Vol. 24, No. 4, pp. 331-340, November 2011 ([link](#)).
4. Shourijeh MT, Kermanshah M, Mamdoohi AR, Faghri A & Hamed K, *A mathematical optimization model for locating telecenters*, **Applied Mathematics**, Vol. 3, No. 3, pp. 251-263, March 2012 (ISI) ([link](#)).
5. Mamdoohi AR, Saffarzadeh M, Taherpour A & YazdanPanah M, *Modeling air passengers' ground access mode choice a case study of IKIA*, **International Journal of Modeling & Optimization**, Vol. 2, No. 2, pp. 147-152, April 2012 ([link](#)).
6. Mamdoohi AR, Yousefikia, M & Mahpour AR, *Increasing minimum spanning tree estimation precision; implemented for Tehran province*, **Advances in Civil Engineering & Building Materials**, Routledge Taylor & Francis Group, pp. 879-882, London, 2013 ([link](#)).
7. Saffarzadeh M, Nadimi N, Naseralavi S & Mamdoohi AR, *A general formulation for TTC safety indicator*, **Proceedings of the ICE**, Vol. 166, No. 5, pp. 295-304, October 2013 (ISI) ([link](#)).
8. Shabani Verki H, Mamdoohi AR & Saffarzadeh M, *Stochastic planning approach in airport passenger terminals*, **Journal of Traffic & Logistics Engineering**, Vol. 1, No. 1, pp. 77-81, June 2013 ([link](#)).
9. Eshghabadi F, Ziari K, Mamdoohi AR & Farhoodi R, *Modeling the effects of transportation patterns on land use patterns of Tehran City*, **Caspian Journal of Applied Sciences Research (CJASR)**, Vol. 2, No. 2, pp. 131-142, February 2013 (ISI).
10. Şimşekoğlu Ö, Nordfjaern T, FallahZavareh M, MohamadiHezaveh A, Mamdoohi AR & Rundmo T, *Risk perceptions, fatalism & driver behaviors in Turkey & Iran*, **Safety Science**, Vol. 59, pp. 187-192, November 2013 (ISI) ([link](#)).
11. Mamdoohi AR, Nazari F & Noruzoliaee M, *An investigation of human factors impact on Tehran urban crash severity*, **Journal of Traffic & Logistics Engineering**, Vol. 2, No. 2, pp. 100-103, June 2014 ([link](#)).
12. Mamdoohi AR, Fallah Zavareh M, Hyden C & Nordfjaern T, *Comparative analysis of safety performance indicators based on inductive loop detector data*, **PROMET– Traffic & Transportation**, Vol. 26, No. 2, pp. 139-149, 2014 (ISI) ([link](#)).
13. Nordfjaern T, Şimşekoğlu Ö, FallahZavareh M, MohamadiHezaveh A, Mamdoohi AR & Rundmo T, *Road traffic culture & personality traits related to traffic safety in Turkish & Iranian samples*, **Safety Science**, Vol. 66, pp. 36-46, July 2014 (ISI) ([link](#)).
14. Nordfjaern T, MohamadiHezaveh A & Mamdoohi AR, *An analysis of reported driver behaviour in samples of domestic & expatriate Iranians*, **Journal of Risk Research**, Vol. 18, No. 5, pp. 566-580, 2015 (ISI) ([link](#)).
15. Mamdoohi AR, Kermanshah M & Poorzahedy H, *Fuzzy random utility choice models: the case of telecommuting suitability*, **International Journal of Transportation Engineering**, Vol. 1, No. 4, pp. 255-270, Spring 2014 ([link](#)).
16. Mamdoohi AR, YazdanPanah M, Taherpour A & Saffarzadeh M, *An analysis of resident & non-resident air passenger behavior of origin airport choice*, **International Journal of Transportation Engineering**, Vol. 2, No. 1, pp. 13-30, Summer 2014 ([link](#)).

17. Mamdoohi AR, Seyedabrishami S & Baghestani A, *Analytical comparison of aggregate & disaggregate mode choice models transferability*, **International Journal of Transportation Engineering**, Vol. 2, No. 2, pp. 145-154, Fall 2014 ([link](#)).
18. Seyedabrishami S, Mamdoohi AR, Barzegar A & Hasanpour S, *Impact of carpooling on fuel saving in urban transportation: case study of Tehran*, **Procedia - Social & Behavioral Sciences**, Paris, Vol. 54, pp. 323-331, October 2012 ([link](#)).
19. Mamdoohi AR, Fallah Zavareh M, Hassani A & Nordfjaern T, *A Monte Carlo simulation of chain reaction rear end potential collisions on freeways*, **International Journal of Transportation Engineering**, Vol. 2, No. 3, pp. 213-229, Winter 2015 ([link](#)).
20. Mamdoohi AR, Saffarzadeh M & Shojaat S, *Capacity drop estimation based on stochastic approach, applied to Tehran-Karaj freeway*, **International Journal of Transportation Engineering**, Vol. 2, No. 4, pp. 279-288, Fall 2014 ([link](#)).
21. Shirgir B, Mamdoohi AR & Hassani A, *Prediction of porous concrete permeability & compressive strength using artificial neural networks*, **International Journal of Transportation Engineering**, Vol. 2, No. 4, pp. 307-316, Spring 2015 ([link](#)).
22. Shabaniverki H, Mamdoohi AR & Saffarzadeh M, *Capacity planning based on scenario tree & passenger motion equation (IKIA & MIA)*, **Journal of Geotechnical & Transportation Engineering**, Vol. 1, No. 2, pp. 53-57, Winter 2015 ([link](#)).
23. Yousefikia M, Mamdoohi AR & Noruzoliaee MH, *Iterative update of route choice proportions in OD estimation*, **Proceedings of the ICE- Transport** , Vol. 169, No. 1, pp. 53-60, Feb 2016 (ISI) ([link](#)).
24. Choupani A & Mamdoohi AR, *Population synthesis in activity-based models: tabular rounding in iterative proportional fitting*, **Transportation Research Record: Journal of the Transportation Research Board**, Vol. 2493, pp. 1-10, Jan 2015 (ISI) ([link](#)).
25. Nazari F, Seyedabrishami S & Mamdoohi AR, *A direct demand model of departure time & mode for intercity passenger trips*, **International Journal of Transportation Engineering**, Vol. 3, No. 2, pp. 125-141, Spring 2015 ([link](#)).
26. Mamdoohi AR & Amini V, *Modeling impacts of network characteristics on maximum acceptable time for cycling, case of work & study trips*, **Journal of Geotechnical & Transportation Engineering**, Vol. 2, No. 1, pp. 1-5, April 2016 ([link](#)).
27. Fallah Zavareh M, Mamdoohi AR, & Nordfjaern T, *The effects of indicating rear-end collision risk via variable message signs on traffic behaviour*, **Transportation Research Part F**, Vol. 46, part B, pp. 524-536, April 2017 (ISI) ([link](#)).
28. Mehdizadeh M, Nordfjaern T & Mamdoohi AR, *The role of socio-economic, built environment & psychological factors in parental mode choice for their children in an Iranian setting*, **Transportation**, Vol. 45, No. 2, pp. 523-543, March 2018 (ISI) ([link](#)).
29. Mehdizadeh M, Mamdoohi AR & Nordfjaern T, *Walking time to school, children's active school travel & their related factors*, **Journal of Transport & Health**, Vol. 6, pp. 313-326, 2017 (ISI) ([link](#)).
30. Mehdizadeh M, Nordfjaern T, Mamdoohi AR & Mohaymany AS, *The role of parental risk judgements, transport safety attitudes, transport priorities & accident experiences on pupils' walking to school*, **Accident Analysis & Prevention**, Vol. 102, pp. 60-71, May 2017 (ISI) ([link](#)).
31. Mehdizadeh M, Mamdoohi AR, Fallah Zavareh M & Nordfjaern T, *The role of parental attitudes towards walking on children walking to schools*, **Journal of Traffic & Logistics Engineering**, Vol. 4, No. 2, pp. 108-112, December 2016 ([link](#)).

32. Choupani A & Mamdoohi AR, *Population synthesis using iterative proportional fitting process: A review & future research*, **Transportation Research Procedia**, Vol. 17, pp. 223-233, 2016 ([link](#)).
33. Soltani N & Mamdoohi AR, *A model of driver behavior in response to road roughness: a case study of Yazd arterials*, **Journal of Geotechnical & Transportation Engineering**, Vol. 2, No. 2, pp. 46-50, December 2016 ([link](#)).
34. Mamdoohi AR & Janjani A, *Modeling metro users' travel behavior in Tehran: frequency of use*, **Journal of Land Use, Mobility & Environment (TeMA)**, Special Issue 2016, TOD in Iran: Challenges & Solutions, Vol. 9, No. 4, pp. 47-58, Winter 2016 ([link](#)).
35. Mamdoohi AR & Zarei H, *An analysis of public transit connectivity index in Tehran*, **Journal of Land Use, Mobility & Environment (TeMA)**, Special Issue 2016, TOD in Iran: Challenges & Solutions, Vol. 9, No. 4, pp. 59-76, Winter 2016 ([link](#)).
36. Ehteshamrad S, Saffarzadeh M & Mamdoohi AR, *Role of children in parents' car use behavior*, **American Scientific Research Journal for Engineering, Technology & Sciences (ASRJETS)**, Vol. 27, No. 1, pp. 179-188, 2017 ([link](#)).
37. Ehteshamrad S, Saffarzadeh M & Mamdoohi AR, *Role of children in parents' transit use behavior- An Iranian sample*, **Journal of Multidisciplinary Engineering Science & Technology (JMEST)**, Vol. 4, No. 1, pp. 6442-6447, January 2017 ([link](#)).
38. Shaygan M, Mamdoohi AR & Masoumi H, *Car ownership models in Iran: a review of methods & determinants*, **Transport & Telecommunication**, Vol. 18, No. 1, pp. 45-59, February 2017 ([link](#)).
39. Firuzi I & Mamdoohi AR, *A quantitative impact analysis of attitudes towards safety & traffic on high school students' walking to school*, **Journal of Geotechnical & Transportation Engineering**, Vol. 3, No. 1, pp. 30-34, June 2017 ([link](#)).
40. MohamadiHezaveh A, Nordfjaern T, Mamdoohi AR & Şimşekoğlu Ö, *Predictors of self-reported crashes among Iranian drivers: exploratory analysis of an extended driver behavior questionnaire*, **PROMET- Traffic & Transportation**, Vol. 30, No. 1, pp. 35-43, 2018 (ISI) ([link](#)).
41. Ehteshamrad S, Saffarzadeh M, Mamdoohi AR, Saffarzadeh S & Figueira FM, *Car use behavioral study for commuting trips: parent's work trips & children's school trips*, **International Journal of Transportation Engineering**, Vol. 6, No. 3, pp. 207-216, Winter 2019 ([link](#)).
42. Mahpour AR, Mamdoohi AR, HosseinRashidi T, Shemid B & Axhausen KW, *Shopping destination choice in Tehran: an integrated choice & latent variable approach*, **Transportation Research part F**, Vol. 58, pp.566-580, 2018 (ISI) ([link](#)).
43. Baghestani AH, Mamdoohi AR, Mahpour A & Salem A, *Mode choice models transferability: a Bayesian update for two cities in Iran*, **Journal of Traffic & Logistics Engineering**, Vol. 5, No. 1, pp. 21-25, June 2017 ([link](#)).
44. Bashirinia M, Mamdoohi AR & Silva JA, *An alternative approach to centroids & connectors pattern: random intra-zonal travel time*, **International Journal of Transportation Engineering**, Vol. 7, No. 3, pp. 249-265, Winter 2020 ([link](#)).
45. Mehdizadeh M, Nordfjaern T & Mamdoohi AR, *Environmental norms & sustainable transport mode choice on children's school travel: the norm-activation theory*, **International Journal of Sustainable Transportation**, Vol. 14, No. 2, pp.137-149, 2019 (ISI) ([link](#)).
46. Mehdizadeh M & Mamdoohi AR, *Active school travel: homogeneity or heterogeneity? That is the question*, **Transportation Planning & Technology**, Vol. 43, pp.443-462, 2020 (ISI) ([link](#)).

47. Fallah Zavareh M, Abolhasannejad V, Mamdoohi AR, Nordfjærn T, *Barriers to children's walking to school in Iranian & Chinese samples*, **Transportation Research Part F**, Vol. 73, pp.399-414, 2020 (ISI) ([link](#)).
48. Mamdoohi AR & Amini V, *Bicycle demand: a gender analysis for Tehran, Iran*, **International Journal of Transportation Engineering**, Vol. 8, No. 3, pp.211-223, 2021 ([link](#)).
49. Omrani H, Mamdoohi AR & Farzin I, *Taste variation of the elderly mode choice: the role of socio-economic, attitude & behavior factors*, **International Journal of Transportation Engineering**, Vol. 8, No. 4, pp. 341-362, Spring 2021 ([link](#)).
50. Ahmadipour F, Mamdoohi AR & Arndt WH, *Impact of built environment on walking in the case of Tehran, Iran*, **Journal of Transport & Health**, Vol. 22, pp. 1-10, 2021 ([link](#)).
51. Hoseini A, Mamdoohi AR & Nordfjærn T, *Analysis of pedestrians' behavior: a segmentation approach based on latent variables*, **Accident Analysis & Prevention**, Vol. 157, pp. 1-10, 2021 ([link](#)).
52. Mamdoohi AR, Omrani H & Allahviranlo M, *Role of built-environment, lifestyle, attitude & behavioral factors on mode choice- case of grocery shopping in Tehran*, **International Journal of Transportation Engineering**, Vol. 9, No. 2, pp. 537-560, Fall 2021 ([link](#)).
53. Khashaypoor M, Nunes da Silva F & Mamdoohi AR, *Strategic choices impact on urban mobility improvement: a case study of Tehran*, **Journal of Sustainable Development of Transport & Logistics**, Vol. 6, No. 2, pp. 109-123, Fall 2021 ([link](#)).
54. Ehteshamrad S, Saffarzadeh M, Mamdoohi AR & Nordfjærn T, *Behavior of parents & children in the way they use public transport, a case study of Iranian households*, **Case Studies on Transport Policy** January 2022 ([link](#)).
55. Baghestani A, Tayarani M, Allahviranloo M, Nadafianshamabadi R, Kucheva Y, Mamdoohi AR, Oliver Gao H, *New York City cordon pricing & its impacts on disparity, transit accessibility, air quality, & health*, **Case Studies on Transport Policy**, Vol. 10, No. 1, pp. 485-499, March 2022 ([link](#)).
56. Macioszek E, Karami A, Farzin I, Abbasi M & Mamdoohi AR, *The effect of different distance intervals on walking likelihood in different trip purposes*, **Sustainability**, Vol. 14, No. 6, pp. 1-17, March 2022 ([link](#)).
57. Khashaypoor M, Nunes da Silva F & Mamdoohi AR, *An overview of challenges & plans to improve urban mobility: a case of approach & strategies in Tehran*, **International Journal of Transportation Engineering**, Vol. 9, No. 4, pp. 781-799, Spring 2022 ([link](#)).
58. Gholi H, Kermanshah M & Mamdoohi AR, *Investigating the sources of heterogeneity in passengers' preferences for transit service quality*, **Journal of Public Transportation**, Vol. 24, pp. 1-7, 2022 ([link](#)).
59. Farzin I, Mamdoohi AR & Ciari F, *Autonomous vehicles acceptance: a perceived risk extention of UTAUT & DOI integration, evidence from Tehran, Iran*, **International Journal of Human-Computer Interaction**, June 2022 ([link](#)).
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2. Mamdoohi AR, *Mode Choice Modeling for the City of Mashad*, MS Thesis, Transportation Planning Group, **Institute for Management & Planning Studies**, Tehran, Iran, 1996.
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4-1 PhD dissertations supervised

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2. Chupani A, *An integerization method in iterative proportional fitting process for urban transportation demand estimation*, PhD Dissertation, Highway & Transportation Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, Aug 2015.
3. Mahpur A, *Activity location choice model in activity based transportation planning approach*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, March 2017.
4. Bashirinia M, *A development of the concept of zone centroid & connector for traffic assignment models*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 17 April 2019.
5. Farzin I, *Heterogeneity in autonomous vehicle acceptance emphasizing latent variables*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 13 Oct 2021.
6. Kamyab S, *Modeling SAV choice as children's school trip mode*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 19 Sep 2023.
7. Gholi H, *A behavioral approach to dynamic travel demand matrix estimation*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 17 Nov 2021.

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10. Aghidi S, *Development of destination choice models for pedestrian trips*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, current.
11. Imami M, *Development of a behavioral model of inter-city mode choice*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, current.
12. Shami S, *A longitudinal effectiveness analysis of TDM strategies*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, current.

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13. Omrani H, *An integrated model of simultaneous mode & destination choice for discretionary activity (shopping center) using Hybrid Choice Models (HCM)*, PhD Dissertation, Tarrahan Parseh Transportation Research Institute, joint with Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 7 March 2022.

[4-2 PhD dissertations co-supervised](#)

1. Naseralavi S, *A Development of Safety Assessment Model based on Driver Behavior using Traffic Micro Simulation*, PhD Dissertation, Highway & Transportation Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2011.
2. Hasaninasab S, *Integrated Transit Network Design Model Development*, PhD Dissertation, Highway & Transportation Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2012.
3. Eshghabadi F, *Mutual Effects of Land Use & Transportation in Urban Planning of Tehran*, PhD Dissertation, Geography & Urban Planning Department, Geography Faculty, *Tehran University*, 2012.
4. Mirbaha B, *Route guidance system targeting optimization considering user equilibrium conditions*, PhD Dissertation, Highway & Transportation Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2013.
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2. Mahpur A, *Traffic Assignment Model For Metropolitan Areas: The Case of Mashad City*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, Dec 2011.
3. Olyae M, *Analysis of Optimization Approaches to Intercity Road Network Performance in case of Disasters*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, Feb 2012.
4. Masudi M, *Role of Tele-Education in Transportation Demand Management: The Case of Mashad City*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, Mar 2012.
5. Yusefikia M, *OD Trip Matrix Estimation Using TFlowFuzzy Method: The case study of Mashad City*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, Jun 2012.
6. Barzegar A, *A travel Demand Model for HOV lanes: The Case of Mashad City*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, Sep 2012.
7. Kamyab S, *Zoning Characteristics Impact on Traffic Assignment results: The Case of Mashad City*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, Jan 2013.
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11. Baghestani A, *Analysis of spatial transferability of mode choice models for urban trips*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, Oct 2013.
12. Amini V, *A model for bicycle travel demand: case study of Tehran*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, Dec 2013.
13. Mahdizadeh M, *Elementary school trip mode choice model: case of Rasht city*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, Dec 2014.
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 61. Janjani A, *Identifying indices of transit oriented development & modeling effective factors on the use of Metro (Case Study of Tehran)*, MS Thesis, Transportation Planning Department, *Institute for Management & Planning Studies*, 8 Sep 2016.
 62. Zarei H, *An Assessment of equity indexes for urban public transit (Case Study of Tehran metropolis)*, MS Thesis, Transportation Planning Department, *Institute for Management & Planning Studies*, 8 Sep 2016.
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 66. Noori F, *Modeling traffic pricing scheme acceptance- case of Tehran*, MS Thesis, Transportation Planning Department, *Institute for Management & Planning Studies*, 22 Sep 2019.
 67. Shami S, *Effectiveness of Tehran pricing scheme from users' travel behavior perspective*, MS Thesis, Transportation Planning Department, *Institute for Management & Planning Studies*, Feb 2020.
 68. Ramezanipoor Sh, *Travel mode change using mobility biographies & key events: migration case study*, MS Thesis, Transportation Planning Department, *Institute for Management & Planning Studies*, 5 Aug 2021.
 69. Haghverdi F, *An impact assessment of pricing on mode shift of low emission zone users*, MS Thesis, Transportation Planning Department, *Institute for Management & Planning Studies*, 5 Aug 2021.
 70. Ghasemi M, *A behavioral model for examining ride-sourcing usage in Tehran*, MS Thesis, Transportation Planning Department, *Institute for Management & Planning Studies*, 7 Aug 2021.
 71. Jahani T, *Modeling alternative fuel vehicle choice behavior: case of land freight transportation*, MS Thesis, Transportation Planning Department, *Institute for Management & Planning Studies*, 27 Feb 2022.
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72. Shabani Verki H, *Airport passenger terminal capacity modeling:case of IKIA & MIA*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Islamic Azad University- Science & Resaech Branch*, 2013.
 73. Feyzi A, *Developing a behavioral model of gap acceptance for pedestrians, while crossing street*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Islamic Azad University- Science & Resaech Branch*, 2015.

74. Islami Z, *Destination choice model for shopping trips: case of Qazvin city*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Islamic Azad University- Science & Resaech Branch*, 2016.
75. Bahadori A, *Prediction of short-term traffic of interurban roadways using Kalman Filter*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Islamic Azad University- Science & Resaech Branch*, 2019.
76. Moosavi M, *Analysing abberant driving behavior of expatriate iranian drivers*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Islamic Azad University- Science & Resaech Branch*, current.
77. Pezeshki B, *A new scenario for managing congestion charging scheme in Tehran*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Islamic Azad University- Science & Resaech Branch*, 2019.
78. Abdolahi H, *Comparative study of mode choice factors using time of day (TOD) approach- case of Shiraz*, MS Thesis, Transportation Planning Department, Engineering Faculty, *Islamic Azad University- Malard Branch*, 16 Feb 2022.

Islamic Azad University- South Branch

79. Taherpour A, *Airport ground access mode choice model: case of IKIA & MIA*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Islamic Azad University- South Branch*, 2012.
80. Shojaat S, *A Stochastic Model for Highway Capacity & its Applications at times of Disaster*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Islamic Azad University- South Branch*, 2012.

Amin Traffic Police University

81. Ramani N, *Investigating the impact of sidewalks on pedestrian accidents, case of Broojen city, from 2012 to 2015*, MS Thesis, *Amin Police University*, 2017.
82. Yaghubpur R, *Investigating the effectiveness of pedestrian crossing equipment on their safety*, MS Thesis, *Amin Police University*, 2018.
83. Nikukar Y, *Impact of unilateral urban facilities on traffic, case of Fardis city*, MS Thesis, *Amin Police University*, 2019.

4-4 MS theses co-supervised

Tarbiat Modares University

1. Hasanpur S, *An Airport Classification Model Based on Efficiency & Level of Services*, MS Thesis, Highway & Transportation Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2009.
2. Zarinkia SM, *Driver Behavioral Model of Lane Changing on Freeways*, MS Thesis, Highway & Transportation Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2010.
3. Seif M, *Iranian Highway Driving Behavior Differences from HCM Standards*, MS Thesis, Highway & Transportation Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2010.
4. Nadimi N, *A Conceptual Development of Traffic Flow Safety Index based on Non-Accident Data*, MS Thesis, Highway & Transportation Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2010.

5. Farrokhnia N, *Highway traffic calming using traffic micro simulation: case of Niayesh highway*, MS Thesis, Industrial Engineering Department, Engineering & Technology Faculty, *Tarbiat Modares University*, 2011.
6. Afaghpur A, *Analysis of spatial structure & organization in Iran urban system using flows analysis*, MS Thesis, Urban & Regional Planning Department, Faculty of Art, *Tarbiat Modares University*, 2012.
7. Dehghani A, *An ITS Architectural Model for Disaster Management Services of Rural Roads*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2012.
8. Tafti E, *An Urban Rail Transportation Demand Model for Metropolitan Areas: Case of Karaj City*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2012.
9. Zademusa A, *Ramp pricing for demand of freeway on ramps to increase freeway capacity*, MS Thesis, Highway & Transportation Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2012.
10. Meshkani N, *A model for car ownership annual tax estimation*, MS Thesis, Highway & Transportation Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2013.
11. Famili S, *A model for university commuters' route choice behavior*, MS Thesis, Highway & Transportation Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2013.
12. Nazemi M, *Dynamic traffic assignment model, case study of Mashhad*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2013.
13. Nazari F, *Simultaneous travel demand prediction models for interurban surface trips*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2013.
14. Fori H, *An analysis of the role of congestion pricing & transit development on users mode choice behavior*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2013.
15. Ahmadi S, *Impact of departure time on transportation system performance using dynamic traffic assignment*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2014.
16. Rahimi A, *A model for empty fleet scheduling to cover intermediary transit stops demand*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2015.
17. Khanzad I, *An analysis of the role of congestion pricing & transit development on users mode choice behavior*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2015.
18. Purtalebi V, *An analysis of the role of congestion pricing & transit development on users mode choice behavior*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2015.
19. Askari M, *Predicting driver lane-changing decisions on freeways using a hidden Markov Model*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2015.

20. Moghadami M, *Acceptability pattern of speed management strategies in roads*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2015.
 21. Soltani M, *Presentation a driver risk prediction model using insurance information*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2016.
 22. Sadeghi Ghomi Y, *Ranking headlines of training professional drivers by multi-attribute decision making models*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2017.
 23. Qodsi M A, *Pedestrian behavior simulation for evacuation process using cellular automata*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2017.
 24. Farahpour M, *Speeding violations prediction in transportation networks using data from intelligent transportation systems*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2018.
 25. Moghadasi M, *An analysis of the relationship between communication networks & spatial structure in Iran*, MS Thesis, Urban & Regional Planning Department, Faculty of Art, *Tarbiat Modares University*, 2018.
 26. Dehghani D, *An analysis of accessibility of residential & activity systems to transportation networks using spatial equity approach, case of Tehran metropolis*, MS Thesis, Urban & Regional Planning Department, Faculty of Art, *Tarbiat Modares University*, 2019.
- Institute for Management & Planning Studies*
27. Afroogh N, *Train Type Choice Model Considering Passenger Utility*, MS Thesis, Transportation Planning Department, *Institute for Management & Planning Studies*, 2006.
 28. Sobhani S, *Relationship between Effectiveness of Marketing Information Systems & the Main Elements of Strategic Marketing Planning in Iranian Banks*, MS Thesis, Business Management Department, *Institute for Management & Planning Studies*, 2007.
 29. Hanifi A, *The effect of attitudes on mode change behavior, Tehran citizens case study*, MS Thesis, Transportation Planning, Socioeconomic Systems Engineering, *Institute for Management & Planning Studies*, 2016.
 30. Kakoulvand M, *Land use indexes impact on mode change behaviour under transportation system management policies*, MS Thesis, Transportation Planning, Socioeconomic Systems Engineering, *Institute for Management & Planning Studies*, 2016.
 31. Asadi M, *Identification of individuals preferences & factors influencing mode choice in daily trips of university staff, case of Ferdowsi University*, MS Thesis, Transportation Planning, Socioeconomic Systems Engineering, *Institute for Management & Planning Studies*, 2017.
 32. Askari L, *A Joint Mode Change & Mode Choice Decision under TDM Policies- Case of a Copula Approach*, MS Thesis, Transportation Planning, Socioeconomic Systems Engineering, *Institute for Management & Planning Studies*, 2017.
 33. Javadi Z, *Traffic cordon pricing considering link capacity constraint in static networks*, MS Thesis, Transportation Planning, Socioeconomic Systems Engineering, *Institute for Management & Planning Studies*, 2017.
 34. Sourati M R, *Rapid transit network design considering hub link performance functions*, MS Thesis, Transportation Planning, Socioeconomic Systems Engineering, *Institute for Management & Planning Studies*, 2018.

35. Saeedi S, *Modeling the effect of latent variables in mode choice*, MS Thesis, Transportation Planning, Socioeconomic Systems Engineering, *Institute for Management & Planning Studies*, 28 Sep 2021.

Iran University of Science & Technology

36. Tubae M, *Effective Factor Identification in Preference of Road & Transportation Ministry Projects & a Mathematical Model*, MS Thesis, Construction Management Department, Civil Engineering Faculty, *Iran University of Science & Technology*, 2010.

Amirkabir University (Polytechnic)

37. Lesani T, *A Methodology for Optimization of Urban Passenger Public Transportation Modes Shares based on Travel Cost & Energy Consumption*, MS Thesis, Financial Engineering Department, *Amirkabir University*, 2010.

Shahid Beheshti University

38. Ebrahimi A, *Modeling Urban Spatial Growth using Cellular Automata Approach*, MS Thesis, Urban Planning Department, *Shahid Beheshti University*, 2006.

39. Eshghabadi F, *Evaluation of the prediction of Population & Employment based on Garin-Lowry model: the case of Tehran Metropolis*, MS Thesis, Urban Planning Department, *Shahid Beheshti University*, 2006.

40. Surgi M, *Location of Inter-Urban Passenger Bus Terminals within Cities*, MS Thesis, Urban Planning Department, *Shahid Beheshti University*, 2006.

41. Lavi M, *Spatial Inequalities in Public Health Care Facilities Access & Improvement Strategies: Case on Isfahan*, MS Thesis, Urban Planning Department, *Shahid Beheshti University*, 2008.

Islamic Azad University- Science & Resaech Branch

42. Rahimi K, *Budget Assignment Model for Rural Road Maintenance*, MS Thesis, Transportation Planning Group, Civil Engineering Department, *Azad University*, 2009.

43. Shirazinia E, *Operational Model for Multi Airport Metropolitan Regions*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Azad University*, 2011.

44. Golestani A, *An Economic-Technical Assessment Model & Scenario Selection of the Multi-Airport System*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Azad University*, 2012.

45. Shanazari M, *An analysis of transportation demand management policies on CBD traffic improvement, case of Isfahan city*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Azad University*, 2014.

Kharazmi University

46. Barati A, *Walkability & walking on school trips*, MS Thesis, Transportation Planning Department, *Kharazmi University*, 2020.

Islamic Azad University- South Branch

47. Chegini F, *Bus transportation network route model based on GIS*, MS Thesis, Transportation Planning Group, Civil Engineering Department, *Azad University*, 2012.

48. Tizpaz V, *Capacity & LOS analysis & improvement of Tehran province roads*, MS Thesis, Transportation Planning Group, Civil Engineering Department, *Azad University*, 2013.

49. Dehghani P, *Safety index estimation model for rural highways based on path macroscopic characteristics*, MS Thesis, Transportation Planning Group, Civil Engineering Department, *Azad University*, 2014.

5 Awards & Honors

1. *Runner-Up in Science*, New Warran School, Plymouth, England, 1979.
2. *Fifth Rank* in the MS Entrance Examination, Socio-Economic Systems Engineering; Institute for Management & Planning Studies, 1993.
3. *Runner-Up*, MS Course, Socio-Economic Systems Engineering, Institute for Management & Planning Studies, Spring Term 1995.
4. *Top Student*, MS Course, Transportation Planning, Socio-Economic Systems Engineering, Institute for Management & Planning Studies, 1996.
5. *Highly Dedicated Professor*, Institute for Management & Planning Studies, 2007.
6. *Remarkable services in scientific & research promotion of the Research Office*, Institute for Management & Planning Studies, June 2008.
7. *Outstanding scientific & research collaboration*, Institute for Management & Planning Studies, August 2008.
8. *Collaboration & promotion in achieving ISC ranking*, Journal of Transportation Research, August 2011.
9. *Highest quality of teaching for the years 2009, 2010, & 2011*, Civil Engineering Faculty, Tarbiat Modares University.
10. *Highest quality of teaching for the year 2012*, Civil Engineering Faculty, Tarbiat Modares University.
11. *Highest quality of teaching for the year 2014*, Civil Engineering Faculty, Tarbiat Modares University.
12. *Distinguished researcher*, Tarbiat Modares University, 2013.
13. *Diligent professor*, Tarbiat Modares University, 2014.
14. *Distinguished researcher*, Highest score in promotion to associate professor, Tarbiat Modares University, 2017 ([link](#)).
15. *Author of highly cited paper (10-year period)*, Tarbiat Modares University, 2017.
16. *Distinguished researcher*, Highest score in applied & industrial research projects, Tarbiat Modares University, 2019 ([link](#)).
17. *Outstanding professor*, Tarbiat Modares University, 2020 ([link1](#)) ([link2](#)).
18. *Distinguished researcher*, Highest score in applied & industrial research projects, Tarbiat Modares University, 2021 ([link1](#)) ([link2](#)).
19. *Selected research project (Tehran Urban Festival)*, Tarbiat Modares University, 2021 ([link](#)).
20. *Research realm nominee*, Tarbiat Modares University, 2021.
21. *Distinguished researcher*, Publishing in the top decile of journals (JCR), Tarbiat Modares University, 2021 ([link1](#)) ([link2](#)).
22. *Applied & industrial projects director & theses supervisor*, Tarbiat Modares University, 2021 ([link1](#)) ([link2](#)).
23. *Research realm nominee*, Tarbiat Modares University, 2022.
24. *Dedicated to industry & society problem solving of Iran*, Office of industry & society relations of the Ministry of Science, Research & Technology, 2022.
25. *Excellence promotion* (equivalent to 3 ordinary ones), Tarbiat Modares University, 2020.
26. *Excellence promotion* (equivalent to 3 ordinary ones), Tarbiat Modares University, 2021.
27. *Excellence promotion* (equivalent to 3 ordinary ones), Tarbiat Modares University, 2022.

6 Interviews: TV & Radio (Farsi)

1. *Railway as the foundation of development*, The second conference on the rail-based development, **broadcast on Television Channel One of IRI**, 3 February 2017.
2. *Transportation management under disaster, How to escape from Tehran earthquake*, **Radio interview** (Fararu), 23 November 2017 ([link](#)).
3. *Disaster management, getting prepared for Tehran earthquake: a transportation perspective*, **Interview with Faradid Magazine**, December 2017 ([link](#)).
4. *Whom does Tehran need ?*, **Radio interview** (Fararu), 7 April 2018.
5. *Tehran traffic jams on rainy days: Why does rain lock Tehran?*, **Radio interview** (Fararu), 16 April 2018 ([link](#)).
6. *Expandind the traffic restricted area to even or odd area*, **Live Radio interview** (City Voice, Zarehbin), 10 December 2018 ([link](#)).
7. *Addition of even & odd area to traffic restricted area (challenges, opportunities & threats)*, **Radio interview** (Radio Tehran), 10 December 2018 ([link](#)).
8. *Human-oriented city*, **Live Radio interview** (City Voice, Zarehbin), 21 July 2019.
9. *Introduction of Tehran new traffic plan, a radio discussion*, **Radio interview** (Social Debate), 27 July 2019 ([link](#)).
10. *Introduction of Tehran new traffic plan, a radio discussion*, **Radio interview** (Social Debate), 27 July 2019 ([link](#)).

7 Lectures & Presentations

1. *Aspects & Challenges of Urban Transportation: Large Cities of Iran*, **Roundtable on Urban Transportation Policy & Culture**, City Department of Iran Sociology Association, Faculty of Social Sciences, University of Tehran, February 2, 2008 (Farsi).
2. *Health & Transportation: Transportation Management*, **First Health & Transportation Scientific Meeting**, Office of Social & Cultural Studies, Deputy of Social & Cultural Affairs, Tehran Municipality, June 21, 2009 (Farsi).
3. *Reducing Redundant Transportation*, **Third Distribution Management Conference**, Shahid Beheshti University, July 31, 2010 (Farsi).
4. *Integrated Transportation Planning & Urban & Regional Development*, **Second Conference on Transit Oriented Development (TOD)**, Ministry of Road & Transportation, January 25, 2017 (Farsi).
5. *Human-Oriented Transportation: Some evidence from Iran*, **Essentials of Sustainable Transport Development**, TU Wien & Tarbiat Modares University Joint Workshop, February 17, 2018.
6. *Traffic Requirements in Building Construction*, **Expert Round Tables**, Tarbiat Modares University, December 20, 2017 (Farsi).
7. *Travel Behavior & Attitude Change in Metropolitans*, **Expert Round Tables**, Tarbiat Modares University, May 13, 2018 (Farsi).
8. *Human Oriented Transportation Framework for Metropolitans*, **First Conference on Transportation anr Traffic Engineering**, Shiraz University, March 4, 2019 (Farsi) ([link](#)).
9. *Transportation Planning Joint Seminar*, **Some new cities in Iran**, TU Wien & Tarbiat Modares University Joint Seminar, April 14-18, 2019 ([link](#)).
10. *Pedestrian Crossings- Transportation Requirements & Researches*, **Pedestrian Crosswalks Conference**, Strategic Research Center, Karaj City Hall, May 22, 2019 (Farsi) ([link](#)).
11. *Education, culture & clean transportation*, **Fourth Comprehensive Conference on Urban Management: Clean Transportation**, Transportation & Traffic Deputy of Tehran Municipality, July 2, 2019 (Farsi) ([link](#)).
12. *Fundamentals of Clean Transportation & its application to schools location*, **Green School Conference**, Organization for development, renovation & equipping of schools of Iran, July 29, 2019 (Farsi) ([link](#)).

13. *Factors affecting stated value of travel time for Tehran traffic cordon users*, **The 12th National Congress of Civil Engineering**, Sahand University of Technology, Tabriz, Iran, May 28, 2020 (Farsi).
14. *Research Methodology for Transportation Engineers*, **Workshop for PhD Students (3-day)**, TU Wien, Institute of Transportation, Research Center of Transport Planning & Traffic Engineering, September & October 2021 (English).
15. *Transit Oriented Development (TOD): Foundations & Principles*, **Transit Oriented Development Webinar**, Traffic Commission, Tehran Construction Engineers Organization, November 16, 2021 (Farsi).
16. *Traffic Culture & Media*, **Functional Role of Mass Media in Traffic Culture**, Media Planning & Studies Office, Ministry of Culture & Islamic Guidance, June 13, 2022 (Farsi) ([link](#)).
17. *Impact of socio-economic attributes on walking trip rate, case of Shiaz city*, **Lecture series: Active Mobility 2023**, TU Wien, Institute of Transportation, Research Center of Transport Planning & Traffic Engineering, March 22, 2023 (English) ([link](#)).

8 Research Interests

1. Transportation planning & management
2. Transportation demand forecasting & behavioral modeling
3. Transportation safety behavioral modeling
4. Discrete choice models
5. Land use models
6. Transportation & Traffic Simulation
7. Active modes of travel
8. Autonomous vehicles (acceptance, demand, & heterogeneity models)
9. Heterogeneity in choice models
10. Cordon pricing models

9 Conference Committees Membership

1. *The 1st National Conference on Traffic Safety*, Kerman, Iran, 2011.
2. *The 4th Regional Conference on Traffic Management*, Tehran, Iran, 2011.
3. *The 1st International City Bike*, Tehran, Iran, 2011.
4. *The 10th Transportation & Traffic Engineering Conference of Iran*, Tehran, Iran, 2011 (Scientific committee member & director of the specialized working group for transportation systems management).
5. *The 11th Transportation & Traffic Engineering Conference of Iran*, Tehran, Iran, 2012 (Scientific committee member & director of the specialized working group for transportation systems management).
6. *The 3rd International Traffic Accident Conference*, Tehran, Iran, 2012.
7. *The 1st conference on Economic Aspects of Urban Transportation*, Tehran, Iran, 2011.
8. *The 2nd conference on Economic Aspects of Urban Transportation*, Tehran, Iran, 2012.
9. *The 14th International Conference on Rail Transportation*, Tehran, Iran, 2012.
10. *The 12th International Conference on Traffic & Transportation Engineering*, Tehran, Iran, 2013 (Scientific committee member & director of the specialized working group for transportation systems management).
11. *Second Conference on Development of Multimodal Transport Network in national & international trade*, Tehran, Iran, 2014 (Scientific committee member & member of the policy-making council).

12. *The 13th International Conference on Traffic & Transportation Engineering*, Tehran, Iran, 2014 (Scientific committee member & director of the specialized working group for transportation systems management).
13. *Third National Conference of Roadway, Railway & Aerial Accidents*, Zanjan, Iran, 2014.
14. *The 1st National Road ITS Congress*, Tehran, Iran, 2015.
15. *The 14th International Conference on Traffic & Transportation Engineering*, Tehran, Iran, 2015 (Scientific committee member & director of the specialized working group for transportation systems management).
16. *The 15th International Conference on Traffic & Transportation Engineering*, Tehran, Iran, 2016 (Scientific committee member & director of the specialized working group for transportation systems management).
17. *Second Rail Based Urban Development Conference*, Tehran, Iran, 2017 (Scientific committee member & director of the specialized working group on transportation & traffic).
18. *Second Iran ITS Congress*, Tehran, Iran, 2017 (Scientific committee member).
19. *The 16th International Conference on Traffic & Transportation Engineering*, Tehran, Iran, 2017 (Scientific committee member & director of the specialized working group for transportation systems management).
20. *The 17th International Conference on Traffic & Transportation Engineering*, Tehran, Iran, 2018 (Scientific committee member & director of the specialized working group for transportation systems management).
21. *The 18th International Conference on Traffic & Transportation Engineering*, Tehran, Iran, 2020 (Executive editor, scientific committee member & director of the specialized working group for transportation systems management).
22. *The 19th International Conference on Traffic & Transportation Engineering*, Tehran, Iran, 2023 (Scientific committee member).

10 Societies & Organizations Membership

1. *Iranian Society of Transportation & Traffic Engineers*, Tehran, Iran, since 1998.
2. *Iranian Construction Engineers Organization*, Tehran, Iran, since 1999.
3. *Alumni Association of Sharif University of Technology*, Mechanical Engineering Faculty, Tehran, Iran, since 1998.
4. *Alumni Association of Sharif University of Technology*, Civil Engineering Faculty, Tehran, Iran, since 2005.
5. *Alumni Association of Sharif University of Technology*, Transportation Technical Committee, Tehran, Iran, since 2007.
6. *Iranian Association of Rail Transport Engineering*, Research Committee Member, Tehran, Iran, since 2006.
7. *Iranian Society of Transportation Engineering*, Tehran, Iran, since 2009.
8. *Iran Traffic Experts Society*, Tehran, Iran, since 2010.
9. *The International Association for Travel Behaviour Research (IATBR)*, since 2009.
10. *Road Safety Supporters Society*, Tehran, Iran, since 2012.

11 Industry & Research Projects Reports (Farsi)

Comprehensive Transportation Studies for the City of Mashad

1. *Population Prediction for the Study Area for the Year 1994*, Comprehensive Transportation Studies for the City of Mashad, Report 74-04, **Institute for Transportation Studies & Research, Sharif University of Technology**, 1995.
2. *Freight Transportation Survey Results*, Comprehensive Transportation Studies for the City of Mashad, Report 74-05, **Institute for Transportation Studies & Research, Sharif University of Technology**, 1995.
3. *Transportation Goals & Objectives for the City of Mashad*, Comprehensive Transportation Studies for the City of Mashad, Report 74-09, **Institute for Transportation Studies & Research, Sharif University of Technology**, 1995.
4. *Phase One Executive Summary*, Comprehensive Transportation Studies for the City of Mashad, Report 74-14, **Institute for Transportation Studies & Research, Sharif University of Technology**, 1995.
5. *Population & Employment Prediction for the year 2001*, Comprehensive Transportation Studies for the City of Mashad, Report 76-01, **Institute for Transportation Studies & Research, Sharif University of Technology**, 1997.
6. *Mode Choice Models*, Comprehensive Transportation Studies for the City of Mashad, Report 76-03, **Institute for Transportation Studies & Research, Sharif University of Technology**, 1997.
7. *Transportation Demand Prediction for the year 2001*, Comprehensive Transportation Studies for the City of Mashad, Report 76-04, **Institute for Transportation Studies & Research, Sharif University of Technology**, 1997.
8. *Land Use Model: Population & Employment Prediction till the year 2016*, Comprehensive Transportation Studies for the City of Mashad, Report 76-14, **Institute for Transportation Studies & Research, Sharif University of Technology**, 1997.
9. *Transportation Demand Prediction for the year 2016*, Comprehensive Transportation Studies for the City of Mashad, Report 76-17, **Institute for Transportation Studies & Research, Sharif University of Technology**, 1997.
10. *Modeling Process Executive Summary*, Comprehensive Transportation Studies for the City of Mashad, Report 77-07, **Institute for Transportation Studies & Research, Sharif University of Technology**, 1995.

Tehran Comprehensive Transportation & Traffic Studies

11. *Land Use Modeling: Population & Employment Prediction*, Tehran Comprehensive Transportation & Traffic Studies, Report 202, **Tehran Comprehensive Transportation & Traffic Studies**, 1998.
12. *Prediction of Socio-Economic Variables & Travel Demand till the year 2011*, Tehran Comprehensive Transportation & Traffic Studies, Report 203, **Tehran Comprehensive Transportation & Traffic Studies**, 1998.
13. *Modeling in Transportation: Travel Demand Prediction*, Tehran Comprehensive Transportation & Traffic Studies, Report 204, **Tehran Comprehensive Transportation & Traffic Studies**, 2001.

Tehran & Suburbs Studies

14. *Transportation & Traffic Studies*, Tehran & Suburbs Studies, Report 6-1, **Iranian Center for Architectural & Urban Research & Studies**, 1999.
15. *Prediction Models*, Tehran & Suburbs Studies, Report 6-2, **Iranian Center for Architectural & Urban Research & Studies**, 1999.
16. *Traffic Assignment Modeling*, Tehran & Suburbs Studies, Report 6-3, **Iranian Center for Architectural & Urban Research & Studies**, 2000.
17. *Forecasting for the Horizon Year & Suggestions*, Tehran & Suburbs Studies, Report 6-4, **Iranian Center for Architectural & Urban Research & Studies**, 2000.

Increasing the Share of Tehran-Karaj Rail Transport

18. *Suggestions for Increasing the Share of Tehran-Karaj Rail Transit*, Phase 4 Report, Increasing the Share of Tehran-Karaj Rail Transport, **Tehran Province Scientific & Industrial Services**, 2001.
19. *Modeling & Analyzing Transportation Demand*, Phase 3 Report, Increasing the Share of Tehran-Karaj Rail Transit, **Tehran Province Scientific & Industrial Services**, 2001.
20. *Comments on Updating the Comprehensive Transportation Studies of Mashad*, Reports of Stage 2 of Phase 1; Predicting Population, Employment & Travel Demand, **Mashad Traffic Organization**, Mashad Municipality, 2001.
21. *Mode Choice Models*, Comprehensive Transportation Studies for the City of Shiraz, Report 80-03, **Institute for Transportation Studies & Research**, *Sharif University of Technology*, 2001.

Role of Booshehr Province in Freight Transit

22. *Hinterland Analysis for Booshehr Port*, Role of Booshehr Province in Freight Transit, Report 5-2-2, **Institute for Research on Planning & Development**, 2002.
23. *Road Transportation Network Analysis*, Role of Booshehr Province in Freight Transit, Report 5-1-2, **Institute for Research on Planning & Development**, 2002.

Revising & Completing the Studies of Wheat Storage Facilities Expansion

24. *Prediction of Capacities for Wheat Storage Facilities for the Years 2006 & 2011 at Zonal Level*, Revising & Completing the Studies of Wheat Storage Facilities Expansion, Report 5, **Institute for Research on Planning & Development**, 2003.
25. *Prediction of Capacities for Wheat Storage Facilities for the Year 2021 at Province Level*, Revising & Completing the Studies of Wheat Storage Facilities Expansion, Report 4, **Institute for Research on Planning & Development**, 2003.
26. *Location Models for Wheat Storage Facilities*, Revising & Completing the Studies of Wheat Storage Facilities Expansion, Report 3, **Institute for Research on Planning & Development**, 2003.
27. *Prediction of Inputs to Location Model*, Revising & Completing the Studies of Wheat Storage Facilities Expansion, Report 2, **Institute for Research on Planning & Development**, 2002.
28. *Basic Information*, Revising & Completing the Studies of Wheat Storage Facilities Expansion, Report 1, **Institute for Research on Planning & Development**, 2001.

Comprehensive Transportation Studies of Iran

29. *Passenger Transportation Demand Estimation Models*, Comprehensive Transportation Studies of Iran, **Terhe Rahaye Talayee Consulting Engineers**, 2004.
30. *Selection of the Transportation Planning Software Package*, Comprehensive Transportation Studies of Iran, **Terhe Rahaye Talayee Consulting Engineers**, 2004.
31. *Traffic Assignment Models, Theoretical Foundations*, Comprehensive Transportation Studies of Iran, **Terhe Rahaye Talayee Consulting Engineers**, 2004.

Khuzestan Steel Company Site Transportation Planning

32. *Basic Studies & General View*, Khuzestan Steel Company Site Transportation Planning, Report 196-R2003, **Transportation & Logistics Group**, *Terhe-No-Andishan Consulting Engineers*, 2005.
33. *Data Analysis*, Khuzestan Steel Company Site Transportation Planning, Report 196-R2004, **Transportation & Logistics Group**, *Terhe-No-Andishan Consulting Engineers*, 2005.
34. *Modeling the Transportation System of Khuzestan Steel Company*, Khuzestan Steel Company Site Transportation Planning, Report 196-R2005, **Transportation & Logistics Group**, *Terhe-No-Andishan Consulting Engineers*, 2005.

35. *Locating & Designing the new Gate, Weigh Bridges & Trucks Terminal*, Khuzestan Steel Company Site Transportation Planning, Report 196-R2006, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2005.
36. *Organizing the Rail Transportation System of Khuzestan Steel Company*, Khuzestan Steel Company Site Transportation Planning, Report 196-R2008, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2005.
37. *Organizing the Surrounding Corridors of Khuzestan Steel Company*, Khuzestan Steel Company Site Transportation Planning, Report 196-R2009, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2005.
38. *Organizing the Internal Corridors of Khuzestan Steel Company*, Khuzestan Steel Company Site Transportation Planning, Report 196-R2010, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2005.

Feasibility & Location Study of the Megaport in Booshehr Province

39. *Final Part-One Phase-Zero Report*, Feasibility & Location Study of the Megaport in Booshehr Province, **Pooya Tarhe Pars Consulting Engineers**, March 2006.
40. *Mid Part-One Phase-Zero Report*, Feasibility & Location Study of the Megaport in Booshehr Province, **Pooya Tarhe Pars Consulting Engineers**, December 2005.

Innovative Traffic Congestion Alleviation for Dubai

41. *A Proposed Short-Term Action Plan*, Innovative Traffic Congestion Alleviation for Dubai, **Wilbur Smith Associates & Centroid International**, 2006 (English).

Comprehensive Studies of Hierarchical Structure of Researches in Surface Transportaion Planning & Management

42. *Phase Two Report*, Comprehensive Studies of Hierarchical Structure of Researches in Surface Transportaion Planning & Management, Project (83B3T5P27(PEL)), March 2006.
43. *Phase One Report*, Comprehensive Studies of Hierarchical Structure of Researches in Surface Transportaion Planning & Management, Project (83B3T5P27(PEL)), March 2006.

Teleworking Impact Study for the City of Tehran

44. *Introduction, Database Formation & Preliminary Analysis*, Teleworking Impact Study for the City of Tehran, First Phase Report, **Institute for Management & Planning Studies**, 2007.
45. *Modeling & Prediction of Teleworking Demand*, Teleworking Impact Study for the City of Tehran, Second Phase Report, **Institute for Management & Planning Studies**, 2007.
46. *Traffic Assignment Models & Telework Impact Analysis*, Teleworking Impact Study for the City of Tehran, Third & Fourth Phases Report, **Institute for Management & Planning Studies**, 2008.

CNG Station Location Comprehensive Plan of Iran

47. *Basic Studies*, CNG Station Location Comprehensive Plan of Iran, Report No. 314-R2205, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2007.
48. *Prediction of Number & Capacity of Inter Urban CNG Stations*, CNG Station Location Comprehensive Plan of Iran, Report 314-R2206, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2007.
49. *Prediction of Number & Capacity of Urban CNG Stations*, CNG Station Location Comprehensive Plan of Iran, Report 314-R2207, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2007.
50. *Phase One Executive Summary*, CNG Station Location Comprehensive Plan of Iran, Report 314-R2009, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2007.

51. *Phase Two, CNG Station Location Comprehensive Plan of Iran*, Report 314-R2043, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2007.
52. *Green Plan Software Package Manual, CNG Station Location Comprehensive Plan of Iran*, Report 314-R2201, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2008.
53. *Green Plan Software Package Guide, CNG Station Location Comprehensive Plan of Iran*, Report 314-R2202, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2008.

National Industrial Steel Group Development Plan

54. *Materials Flow within the Factory, National Industrial Steel Group Development Plan*, Report No. 301-R2202, **Transportation & Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2008.

Assesment of Interurban Passenger & Good Transportation Demand Management Strategies for Iran

55. *Introduction to Inter Urban Transportation Demand Management, Assesment of Interurban Passenger & Good Transportation Demand Management Strategies for Iran*, Phase One Report, **Arman Taradod Pars Consulting Engineers**, June 2008.
56. *Literature Survey in other Countries, Assesment of Interurban Passenger & Good Transportation Demand Management Strategies for Iran*, Phase Two Report, **Arman Taradod Pars Consulting Engineers**, August 2008.
57. *Prioritization of Inter Urban Transportation Demand Management Measures for Iran, Assesment of Interurban Passenger & Good Transportation Demand Management Strategies for Iran*, Phase Three Report, **Arman Taradod Pars Consulting Engineers**, January 2009.
58. *Action Plan for Inter Urban Transportation Demand Management Measures, Assesment of Interurban Passenger & Good Transportation Demand Management Strategies for Iran*, Phase Four Report, **Arman Taradod Pars Consulting Engineers**, February 2009.

Identification of Research Topics in Interurban Transportation

59. *Literature Survey, Methodology & Questionnaire Survey Design, Final Report, Identification of Research Topics in Interurban Transportation*, Project (88B3T11P06(PLA)), April 2009.

Identification of Factors Affecting Urban Transportation Fuel Consumption & Suggestions

60. *Data Collection, Identification of Factors Affecting Urban Transportation Fuel Consumption & Suggestions*, Phase One Report, **Institute for Management & Planning Studies**, December 2009.
61. *Identification & Modeling of Urban Transportation Factors, Identification of Factors Affecting Urban Transportation Fuel Consumption & Suggestions*, Phase Two Report, **Institute for Management & Planning Studies**, February 2010.
62. *Suggestions for Reducing Urban Transportation Fuel Consumption, Identification of Factors Affecting Urban Transportation Fuel Consumption & Suggestions*, Phase Three Report, **Institute for Management & Planning Studies**, March 2010.

Tehran Multi Airport Network Studies

63. *Factors affecting aviation in Tehran province, Tehran Multi Airport Network Studies*, Phase One Report, **Tarrahan Parseh Transportation Research Institute**, January 2011.
64. *Status quo analysis, Tehran Multi Airport Network Studies*, Phase Two Report, **Tarrahan Parseh Transportation Research Institute**, February 2011.
65. *Demand prediction for air transportation in Tehran province, Tehran Multi Airport Network Studies*, Phase Three Report, **Tarrahan Parseh Transportation Research Institute**, March 2011.

66. *Defining airport systems scenarios for Tehran province*, Tehran Multi Airport Network Studies, Phase Four Report, **Tarrahan Parseh Transportation Research Institute**, August 2011.
67. *Airport systems scenarios assessment*, Tehran Multi Airport Network Studies, Phase Five Report, **Tarrahan Parseh Transportation Research Institute**, September 2011.
68. *Role & policy of airports in the selected scenario*, Tehran Multi Airport Network Studies, Phase Six Report, **Tarrahan Parseh Transportation Research Institute**, October 2011.
69. *Identification of needs to achieve the desired scenario*, Tehran Multi Airport Network Studies, Phase Seven Report, **Tarrahan Parseh Transportation Research Institute**, November 2011.
70. *Investment needs to develop airports in Tehran province*, Tehran Multi Airport Network Studies, Phase Eight Report, **Tarrahan Parseh Transportation Research Institute**, March 2012.
71. *Implementation plan*, Tehran Multi Airport Network Studies, Phase Nine Report, **Tarrahan Parseh Transportation Research Institute**, March 2012.

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72. *Definitions & Literature Survey*, Phase One Report, Transportation Network Performance Analysis at times of Disaster, Project (88B10T1P15(DM)), October 2011.
73. *Data Collection, Methodology & Modeling*, Phase Two Report, Transportation Network Performance Analysis at times of Disaster, Project (88B10T1P15(DM)), November 2011.
74. *Software Package as a DSS*, Phase Three Report, Transportation Network Performance Analysis at times of Disaster, Project (88B10T1P15(DM)), December 2012.
75. *A Case Study*, Phase Four Report, Transportation Network Performance Analysis at times of Disaster, Project (88B10T1P15(DM)), December 2012.

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76. *Introduction*, Bushehr Province Comprehensive Transportation Studies, Phase One Report, **Road, Housing & Urban Development Research Center**, April 2016.
77. *Status quo analysis*, Bushehr Province Comprehensive Transportation Studies, Phase Two Report, **Road, Housing & Urban Development Research Center**, April 2016.
78. *Data collection & main corridor analysis*, Bushehr Province Comprehensive Transportation Studies, Phase Three Report, **Road, Housing & Urban Development Research Center**, April 2016.
79. *Traffic zoning*, Bushehr Province Comprehensive Transportation Studies, Phase Four Report, **Road, Housing & Urban Development Research Center**, April 2016.
80. *Methodology*, Bushehr Province Comprehensive Transportation Studies, Phase Five Report, **Road, Housing & Urban Development Research Center**, May 2016.
81. *Demand estimation by mode*, Bushehr Province Comprehensive Transportation Studies, Phase Six Report, **Road, Housing & Urban Development Research Center**, May 2016.
82. *Modeling results & suggestions*, Bushehr Province Comprehensive Transportation Studies, Phase Seven Report, **Road, Housing & Urban Development Research Center**, May 2016.

Kerman Province Comprehensive Transportation Studies

83. *Introduction*, Kerman Province Comprehensive Transportation Studies, Phase One Report, **Tarrahan Parseh Transportation Research Institute**, April 2017.
84. *Data collection & study area*, Kerman Province Comprehensive Transportation Studies, Phase Two Report, **Tarrahan Parseh Transportation Research Institute**, April 2017.
85. *Kerman transportation infrastructure & performance analysis*, Kerman Province Comprehensive Transportation Studies, Phase Three Report, **Tarrahan Parseh Transportation Research Institute**, April 2017.
86. *Traffic zoning of the study area*, Kerman Province Comprehensive Transportation Studies, Phase Four Report, **Tarrahan Parseh Transportation Research Institute**, April 2017.

87. *Field survey & complementary data gathering*, Kerman Province Comprehensive Transportation Studies, Phase Five Report, **Tarrahan Parseh Transportation Research Institute**, May 2017.
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90. *Traffic prediction for the project horizon*, Kerman Province Comprehensive Transportation Studies, Phase Eight Report, **Tarrahan Parseh Transportation Research Institute**, May 2017.
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Cordon Pricing of Tehran CBD & its Effectiveness

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93. *Field survey & questionnaire administration*, Cordon Pricing of Tehran CBD & its Effectiveness, Phase Two Report, **Tehran Traffic & Transportation Organization**, September 2018.
94. *Modeling & elasticity analysis*, Cordon Pricing of Tehran CBD & its Effectiveness, Phase Three Report, **Tehran Traffic & Transportation Organization**, September 2018.
95. *Social challenges & impacts of the study*, Cordon Pricing of Tehran CBD & its Effectiveness, Phase Four Report, **Tehran Traffic & Transportation Organization**, September 2018.
96. *Income evaluation of the project for Tehran municipality*, Cordon Pricing of Tehran CBD & its Effectiveness, Phase Five Report, **Tehran Traffic & Transportation Organization**, September 2018.

Assessment of Tehran new traffic scheme & its feasibility to odd-even area

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98. *Assessment of the current situation*, Assessment of Tehran new traffic scheme & its feasibility to odd-even area, Phase Two Report, **Tehran Urban Research & Planning Center**, July 2019.
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106. *Socio-economic variables prediction for the year 2041- population prediction*, Tehran Comprehensive Transportation & Traffic Studies & Policies, Report 1-98-03-01, **Tehran Traffic & Transportation Organization**, April 2019.
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111. *Application of mobile phone technology in transportation planning*, Tehran Comprehensive Transportation & Traffic Studies & Policies, Report 1-98-18-01, **Tehran Traffic & Transportation Organization**, June 2019.
112. *BRT stop time models*, Tehran Comprehensive Transportation & Traffic Studies & Policies, Report 1-98-22-01, **Tehran Traffic & Transportation Organization**, August 2019.
113. *Public transportation (metro & BRT) travel time models*, Tehran Comprehensive Transportation & Traffic Studies & Policies, Report 1-98-23-01, **Tehran Traffic & Transportation Organization**, August 2019.

Tehran Transportation Demand Management Studies

114. *Introduction*, Tehran Transportation Demand Management Studies, Report 9811-TDM-0101, **Tehran Traffic & Transportation Organization**, February 2020.
115. *Previous studies, available documents & objectives*, Tehran Transportation Demand Management Studies, Report 9904-TDM-0202, **Tehran Traffic & Transportation Organization**, July 2020.
116. *Base year data & analysis*, Tehran Transportation Demand Management Studies, Report 9907-TDM-0303, **Tehran Traffic & Transportation Organization**, October 2020.
117. *TDM policies & analytical methodology*, Tehran Transportation Demand Management Studies, Report 9904-TDM-0402, **Tehran Traffic & Transportation Organization**, July 2020.
118. *Stated preference data questionnaire survey process*, Tehran Transportation Demand Management Studies, Report 0003-TDM-0501, **Tehran Traffic & Transportation Organization**, June 2020.
119. *Questionnaire survey for Covid-19 pandemic*, Tehran Transportation Demand Management Studies, Report 0003-TDM-0601, **Tehran Traffic & Transportation Organization**, June 2020.
120. *Scenarios simulation & validation*, Tehran Transportation Demand Management Studies, Report 0007-TDM-0701, **Tehran Traffic & Transportation Organization**, October 2020.
121. *Traffic volume variation due to Covid-19 pandemic*, Tehran Transportation Demand Management Studies, Report 0003-TDM-0801, **Tehran Traffic & Transportation Organization**, June 2020.

122. *TDM policies analysis & assessment*, Tehran Transportation Demand Management Studies, Report 0006-TDM-0901, **Tehran Traffic & Transportation Organization**, September 2020.
123. *Effectiveness of Covid-19 policies on daily infections*, Tehran Transportation Demand Management Studies, Report 0006-TDM-1001, **Tehran Traffic & Transportation Organization**, September 2020.

Planning of the 18th International Conference on Traffic & Transportation Engineering

124. *Basics & introduction*, Planning of the 18th International Conference on Traffic & Transportation Engineering, Phase One Report, **Tehran Traffic & Transportation Organization**, October 2019.
125. *Identification & classification of the ICTTE 18 audience*, Planning of the 18th International Conference on Traffic & Transportation Engineering, Phase Two Report, **Tehran Traffic & Transportation Organization**, December 2019.
126. *Plan & design of the ICTTE 18 administration*, Planning of the 18th International Conference on Traffic & Transportation Engineering, Phase Three Report, **Tehran Traffic & Transportation Organization**, January 2020.
127. *Manuscript evaluation & referee process management*, Planning of the 18th International Conference on Traffic & Transportation Engineering, Phase Four Report, **Tehran Traffic & Transportation Organization**, February 2020.

Location & Layout Studies of Qazvin Logistics Village

128. *Basics & introduction*, Location & Layout Studies of Qazvin Logistics Village, Report One, **Roads and Urban Development Office of Qazvin**, October 2020.
129. *Prior studies & documents*, Location & Layout Studies of Qazvin Logistics Village, Report Two, **Roads and Urban Development Office of Qazvin**, October 2020.
130. *Supply chains & logistics services demand*, Location & Layout Studies of Qazvin Logistics Village, Report Three, **Roads and Urban Development Office of Qazvin**, December 2020.
131. *Transportation & logistics services supply*, Location & Layout Studies of Qazvin Logistics Village, Report Four, **Roads and Urban Development Office of Qazvin**, February 2021.
132. *Location methodology*, Location & Layout Studies of Qazvin Logistics Village, Report Five, **Roads and Urban Development Office of Qazvin**, June 2021.
133. *Location model implementation*, Location & Layout Studies of Qazvin Logistics Village, Report Six, **Roads and Urban Development Office of Qazvin**, October 2021.
134. *Feasibility studies*, Location & Layout Studies of Qazvin Logistics Village, Report Seven, **Roads and Urban Development Office of Qazvin**, February 2021.

Implementation of Shiraz Comprehensive Transportation Studies models & algorithms in Visum

135. *Base year supply, demand implementation & assignment models*, Implementation of Shiraz Comprehensive Transportation Studies Models & Algorithms in Visum, Phase One Report, **Shiraz Municipality**, May 2021.
136. *Short, mid & long term supply & demand implementation*, Implementation of Shiraz Comprehensive Transportation Studies Models & Algorithms in Visum, Phase Two Report, **Shiraz Municipality**, May 2021.

Comprehensive Pedestrian Trips Studies of Shiraz

137. *Introduction & previous studies*, Comprehensive Pedestrian Trips Studies of Shiraz, Phase One Report, **Shiraz Municipality**, July 2022.
138. *Methodology*, Comprehensive Pedestrian Trips Studies of Shiraz, Phase Two Report, **Shiraz Municipality**, July 2022.
139. *Questionnaire survey & data gathering*, Comprehensive Pedestrian Trips Studies of Shiraz, Phase Three Report, **Shiraz Municipality**, July 2022.

140. *Data analysis & modeling results*, Comprehensive Pedestrian Trips Studies of Shiraz, Phase Four Report, **Shiraz Municipality**, July 2022.
141. *Suggestions for pedestrians trips*, Comprehensive Pedestrian Trips Studies of Shiraz, Phase Five Report, **Shiraz Municipality**, July 2022.

Planning of the 19th International Conference on Traffic & Transportation Engineering

142. *Preliminary proceedings*, Planning of the 19th International Conference on Traffic & Transportation Engineering, Phase One Report, **Tehran Traffic & Transportation Organization**, December 2022.
143. *Establishing the scientific committees*, Planning of the 19th International Conference on Traffic & Transportation Engineering, Phase Two Report, **Tehran Traffic & Transportation Organization**, April 2023.
144. *Summary and achievements*, Planning of the 19th International Conference on Traffic & Transportation Engineering, Phase Three Report, **Tehran Traffic & Transportation Organization**, April 2023.

Kerman Comprehensive Transportation & Traffic Studies

145. *Status quo analysis*, Kerman Comprehensive Transportation & Traffic Studies, Phase One Report, **Kerman Municipality**, March 2023.
146. *Status quo analysis*, Kerman Comprehensive Transportation & Traffic Studies, Phase Two Report, **Kerman Municipality**, September 2023.

12 Training Courses

1. *From Waste Water to Fresh Water: Technical & Socio-Economic Aspects of a Vital Resource*, International Summer School Envisummer 2003, University of Paderborn, Paderborn, Germany, 27 July - 8 August, 2003.
2. *Environmental Techniques, Monitoring & Risk Assessment of Contaminated Sites*, International Summer School Envisummer 2002, Brandenburg University of Technology (BTU), Cottbus, Germany, 25 August - 7 September, 2002.
3. *National Construction Regulations; Savings in Energy Consumption*, Iranian Construction Engineers Organization, Tehran, Iran, 3 day crash course, 2002.

13 Journal Referees

1. *The Journal of E-working (JOE)*, 2007-2008 (English).
2. *International Journal of Engineering (IJE)*, Materials & Energy Research Center, Tehran, Iran, since 2008 (English).
3. *International Journal of the Physical Sciences (IJPS)*, United States, since 2011 (English).
4. *Iranian Journal of Science & Technology (IJST)*, Transactions of Civil Engineering, Shiraz University, Shiraz, Iran, since 2012 (English).
5. *Civil Engineering Infrastructures Journal (CEIJ)*, University College of Engineering, Tehran University, Tehran, Iran, since 2012 (English).
6. *International Journal of Transportation Engineering (IJTE)*, Tarrahan Parseh Transportation Research Institute & Iranian Association of Transportation Engineering, Tehran, Iran, since 2012 (English).
7. *Journal of Transport & Land Use (JTLU)*, World Society for Transport & Land Use Research, University of Minnesota, Tehran, USA, since 2013 (English).
8. *Proceedings of the Institution of Civil Engineers (ICE)- Transport*, ICE Virtual Library, since 2013 (English)
9. *Scientia Iranica*, Sharif University of Technology, Tehran, Iran, since 2014 (in English).
10. *Journal of Civil Engineering*, Sharif University of Technology, Tehran, Iran, since 2011 (Farsi).

11. *Journal of Transportation Engineering*, Iranian Society of Transportation Engineering, Tehran, Iran, since 2009 (Farsi).
12. *Journal of Transportation Research*, Transportation Research Institute, Tehran, Iran, since 2009 (Farsi).
13. *Journal of Civil Engineering*, Tarbiat Modares University, Tehran, Iran, since 2009 (Farsi).
14. *Journal of Civil Engineering*, Ferdowsi University, Mashad, Iran, since 2010 (Farsi).
15. *Economic Researches*, Shahid Chamran University, Ahwaz, Iran, since 2008 (Farsi).
16. *Research Journal of Human & Social Sciences*, Mazandaran University, Babolsar, Iran, since 2007 (Farsi).
17. *Iran Economic Researches Scientific Journal*, Allameh Tabatabaee University, Tehran, Iran, since 2005 (Farsi).
18. *Journal of Engineering*, Tarbiat Modares University, Tehran, Iran (Farsi).
19. *Two Quarterly Journal of Urban Management*, Organization of Municipalities & Villages of the Country (Farsi).
20. *Journal of Urban Studies*, Kurdistan University (Farsi).
21. *Armanshahr Architecture & Urban Development journal*, The Ministry of Science, Research & Technology of Iran (Farsi).
22. *Human Geography Research Quarterly*, Institute of Geography, University of Tehran (Farsi).
23. *Quarterly Energy Economics Review*, Institute of International Energy Studies, Petroleum Ministry (Farsi).
24. *Quarterly Economic Research Journal*, Faculty of Economics, Tarbiat Modares University (Farsi).
25. *Modares Semiannual Art*, Faculty of Art, Tarbiat Modares University (Farsi).
26. *Journal of Traffic Engineering*, Tehran Municipality Transportation & Traffic Organization (Farsi).
27. *Quarterly Journal of Traffic Management Studies*, Traffic Police School (Farsi).
28. *Road Journal*, Road, Housing & Urban Development Research Center (Farsi).
29. *Rahvar Magazine*, Naja Police Applied Research Center (Farsi).