

## Curriculum Vitae (CV)

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### Research and Social Web Pages



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## 1 Background

### 1-1 Educational Background

1. Ph. D. in **Transportation Planning and Engineering**, Civil Engineering Faculty, *Sharif University of Technology*, Tehran, Iran, 2005.
2. M.S. in Socio-Economic Systems Engineering, **Transportation Planning**, *Institute for Research on Planning and Development*, Tehran, Iran, 1997.
3. B.S. in **Mechanical Engineering**, Heat and Fluids, Mechanical Engineering Faculty, *Sharif University of Technology*, Tehran, Iran, 1989.
4. High School Diploma in **Mathematics and Physics**, *Shahid Dr. Beheshti High School*, Tehran, Iran, 1983.
5. Form Upper 3 and Form 4 in *New Warran School*, Plymouth, England, 1978-1979.

### 1-2 Academic Background

1. Associate Professor, *Tarbiat Modares University*, since 15 Sep 2016.
2. Assistant Professor, *Tarbiat Modares University*, 31 Aug 2009 to 15 Sep 2016.
3. Invited Assistant Professor, *Institute for Management and Planning Studies*, since Feb 2013.
4. Invited Assistant Professor, *Tarbiat Modares University*, Jan 2008 to Jul 2009.
5. Assistant Professor, *Institute for Management and Planning Studies*, 24 Aug 2005 to 31 Aug 2009.
6. Lecturer, *Institute for Research on Planning and Development*, Feb 1999- Aug 2005.
7. Member of Spatial and Regional Planning Research Group, *Institute for Management and Planning Studies*, since Nov 2004.
8. Research Assistant, Institute for Transportation Studies, Center for Transportation Studies and Research (CTSR), *Sharif University of Technology*, 1995-2005.
9. Teaching Assistant, Dept of Civil Engineering, *Sharif University of Technology*, 1997-2004.

### 1-3 Professional Background

1. Member of Press Council, *Road, Housing and Urban Development Research Center*, Ministry of Roads and Urban Development, since June 2015.
2. Transportation and Traffic Technical Committee Member, *Tehran Research and Planning Center- Tehran Municipality*, June 2014-2018.
3. Transportation and Traffic Advisor, *Tehran Research and Planning Center- Tehran Municipality*, April 2013-2018.
4. Transportation Advisor and Technical Committee Member, *Tehran Comprehensive Transportation and Traffic Studies Company (TCTTS)- Tehran Municipality*, 2011-2016.
5. Technical Committee Advisor, *Tarhe Now Andishan (TNA) Consulting Engineers*, May 2009-2015.
6. Transportation Advisor, *Wilbur Smith Associates*, 2005-2006.
7. Transportation and Traffic Advisor, *Tehran Research and Planning Center- Tehran Municipality*, 2004-2006.
8. Transportation and Traffic Advisor, *Arman Taradod Pars*, 2008-2013.
9. Transportation and Traffic Advisor, *Tarahan Parseh Transportation Research Institute*, since 2008.
10. Transportation and Traffic Advisor, *Pouya Tarh Pars Consultants*, since 2005.
11. Transportation Advisor, *Tarh Rahaye Talayee Consultants*, since 2004-2005.

12. Transportation and Traffic Consultant, Mashad Traffic Organisation, *Mashad Municipality*, 2001.
13. Transportation Consultant, *Tehran Province Scientific and Industrial Services*, 2000-2001.
14. Transportation Consultant, *Transportation and Terminals Organisation- Ministry of road & transportation*, 1999-2000.
15. Transportation Researcher and Consultant, *Tehran Comprehensive Transportation and Traffic Studies*, 1997-2001.
16. English Instructor, 1984-1996.

#### **1-4 Managerial & Executive Background**

1. Acting Dean, Civil and Environmental Engineering Faculty, Trabiati Modares University, 14 April 2019 to 19 Dec 2019 ([link](#)).
2. Deputy Dean for Academic Affairs, Civil and Environmental Engineering Faculty, Trabiati Modares University, 8 March 2017 to 30 Dec 2019 ([link](#)).
3. Member of the educational council of technical and engineering faculties, *Trabiati Modares University*, February 2019 to December 2019.
4. Member of the Supervisory Council of the Faculty of Civil and Environmental Engineering, *Trabiati Modares University*, May 2017 to December 2019.
5. Head of the Supervisory Council of the Faculty of Civil and Environmental Engineering, *Trabiati Modares University*, 2019.
6. Head of Transportation Engineering Laboratory, Civil and Environmental Engineering Faculty, *Trabiati Modares University*, since 2019.
7. Head of Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiati Modares University*, 6 Oct 2013 to 13 April 2018.
8. Head of Highway Engineering & Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiati Modares University*, 15 Mar 2011 to 6 Oct 2013.
9. Member of Scientific & Executive Council of Joint Courses, *Tarbiati Modares University* and *Tarahan Parseh Transportation Research Institute*, since June 2013.
10. Research Deputy Planning Committee Vice Chair, *Institute for Management and Planning Studies*, 2008.
11. Member of Research Council, *Institute for Management and Planning Studies*, Jun 2007 to Sep 2008.
12. Director General, Research Planning and Coordination Office, *Institute for Management and Planning Studies*, 13 Jun 2007 to 14 Sep 2008.
13. Member of ICT Council, *Institute for Management and Planning Studies*, Mar 2007 to Sep 2008.
14. Member of Job Evaluation Committee, *Institute for Management and Planning Studies*, Mar 2007 to Sep 2008.
15. Member of Research Committee, *Iranian Association of Rail Transport Engineering*, since Sep 2007.
16. Director General, Educational Planning and Modeling Office, *Institute for Management and Planning Studies*, 12 Nov. 2006 to 13 Jun 2007.
17. Member of Management Council, *Institute for Management and Planning Studies*, Nov. 2006 to Sep 2008.
18. Head of Transportation Planning and Economics Research Group, *Institute for Management and Planning Studies*, Jun 2006 to Jul 2009.

19. Head of Transportation and Logistics Group, *Terhe-No-Andishan Consulting Engineers*, July 2004-May 2009.
20. Head of Transportation Studies Group, *Institute for Management and Planning Studies*, 2003-2005.

### **1-5 Journal Review Board Membership**

1. *International Journal of Transportation Engineering (IJTE)*, Tarrahan Parseh Transportation Research Institute and 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. *Journal of Transportation Engineering*, Iranian Society of Transportation Engineering, Tehran, Iran, since 2012 (Persian Journal).
4. *Quarterly Journal of Traffic Management Studies*, Amin police University, since 2018 (Persian Journal) ([link](#)).
5. *Road Journal*, Road, Housing & Urban Development Research Center ([link](#)).
6. *Transportation Research Journal*, Road, Housing & Urban Development Research Center ([link](#)).

### **1-6 MSc & PhD Courses**

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

### **2 Research Projects**

1. Intelligent Transportation Systems: ITS (project team member).
2. Updating of the Transportation Master Plan of Mashad (project advisor),
3. Feasibility Study and 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 and 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 and Traffic Studies (project team member),
13. Khouzestan Steel Company Site Transportation Planning and Management (project manager),
14. Tehran and its 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 and Management (project manager),
19. Comprehensive and 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 and Optimization for Iran National Industrial Steel Group (project advisor),
24. Inter-Urban Passenger and Freight Transportation Demand Management Evaluation and 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 and Suggestions for its Control (technical manager),
27. Duplicate Inter-Urban Transportation Analysis and 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 and 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. Telecommunty Infrastructure Needs (project advisor)
39. Strategic Studies of Freight Comprehensive Transportation Studies of Tehran Metropolis (project supervisor)
40. Supervision of Comprehensive Transportation Studies of Bushehr city (project manager)
41. Tehran Construction Code Assessment based on TOD Principles (project supervisor)
42. Bushehr Province Comprehensive Transportation Studies (Demand modeling manager)
43. Iran Rail Network Freight Transportation Demand and Capacity Analisys (project supervisor)
44. Pricing and Effectiveness of Tehran CBD (project manager)
45. Assessment of Tehran new traffic scheme and feasibility of its extention to odd-even area (project manager)
46. Supervision of Comprehensive Transportation Studies of Shiraz city (joint project manager & technical manager)
47. Tehran Transportation and Traffic Studies and Policies (project manager)
48. Tehran Transportation Demand Management Studies (project manager of TMU consortium)
49. Planning and Research Services of the 18<sup>th</sup> International Conference on Traffic and Transportation Engineering (joint project manager & technical manager)
50. Supervision of Comprehensive Transportation Studies of Qom (project team member),



51. Location and Layout Studies of Qazvin Logistics Vilage (joint project manager & technical manager)
52. Implimentation of Shiraz Comprehensive Transportation Studies models and algorithms in Visum (joint project manager & technical manager)
53. Shiraz Walking Comprehensive Transportation Studies (joint project manager & technical manager)

### 3 Publications

#### 3-1 Books

1. Mamdoohi AR & Abbasi MH, *Computer simulation by Aimsun with applied examples (traffic engineering and transportation planning)*, ACECR Publication, Amirkabir University of Technology, Tehran, Iran, 2020 ([link](#)).
2. Mamdoohi AR & Zarei H, *Cyber physical systems of intelligent transportation and intelligent cities*, in *Urban and regional transportation policies for new cities* (1st edition, No. 4, pp. 115-139), BHRC Publication, Tehran, Iran, 2017 ([link](#)).

#### 3-2 Peer-reviewed International Journals (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**, Taylor & Francis Group, pp. 879-882, London, 2013 ([link](#)).
7. Saffarzadeh M, Nadimi N, Naserlavi 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, March 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, *Final 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 and 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 and 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 and 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, Shcmid B & Axhausen KW, *Shopping destination choice in Tehran: An integrated choice and 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 and 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 and 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 and 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](#)).

### 3-3 Peer-reviewed Domestic Journals (Farsi)

1. Mamdoohi AR & Poorzahedy H, *Mode Choice Models for Work Trips; Case Study of Mashad*, **Journal of Plan and Development**, Vol. 3, No. 2, 2002 (Farsi).
2. Mamdoohi AR, Kermanshah M & Poorzahedy H, *Modeling Telecommuting Adoption Based on Job Tasks*, **Amir Kabir Journal**, No. 59, Amir Kabir University of Technology, Summer 2004 (Farsi).
3. Mamdoohi AR & Hashemi M R, *Marketing Strategies Implementation Barriers: A Classification and Prioritization for Iran Khodro Company*, **Journal of Business Management**, Vol. 1, No. 1, Faculty of Management, Tehran University, Fall-Winter 2008 (Farsi) ([link](#)).
4. Mamdoohi AR, Shirgir B & Ebadi Z, *Traffic Operation Optimization of Highways with Ramp Metering Employing Mathematical Programming Models*, **Journal of Transportation Engineering**, Vol. 1, No. 2, pp. 39-50, Spring 2010 (Farsi) ([link](#)).
5. Naserlavi S, Saffarzadeh M, Mamdoohi AR & Nadimi N, *Introduction of Urgent Deceleration Index as Safety Indicator for Timely Detection of Rear-End Collision*, **Journal of Transportation Engineering**, Vol. 1, No. 3, pp. 27-39, Spring 2010 (Farsi) ([link](#)).

6. Mamdoohi AR, Mahpur A & Dindar M, *Optimum number of connectors based on the proximity of assignment results to observed traffic counts, case study of Mashhad*, **Journal of Transportation Engineering**, Vol. 1, No. 4, pp. 87-98, Summer 2010 (Farsi) ([link](#)).
7. Sharifzadeganl M.H, Mamdoohi AR & Lavi M, *A P- median-model-based analysis of spatial inequality in accessibility to public health care intended for urban health development in Isfahan city*, **Social Welfare Quarterly**, Vol. 10, No. 37, pp. 265-285, Summer2010 (Farsi) ([link](#)).
8. Mamdoohi AR, Mojtahed M & Alimoradi M, *Estimating telecommuting for a sample of government employees based on organizational characteristics*, **Quarterly Journal of Management and Development**, No. 74, pp. 29-44, Winter 2010 (Farsi) ([link](#)).
9. Hashemi M R & Mamdoohi AR, *Cluster analysis of marketing strategies implementation barriers in car manufacturing industry: Iran Khodro Company*, **Journal of Business Management**, Vol. 2, No. 6, Faculty of Management, Tehran University, Winter 2010 (Farsi) ([link](#)).
10. Hasanpur S, Saffarzadeh M & Mamdoohi AR, *Airport Ranking based on Efficiency and LOS Employing AHP*, **Modares Civil Engineering Journal**, Vol. 10, No. 4, pp. 33-46, Winter 2010 (Farsi) ([link](#)).
11. Jalali A, Alimoradi M, Mamdoohi AR & Mojtahedzadeh M, *Prioritizing fuel consumption management strategies and policies for urban transportation using Hasse design method*, **Journal of Planning and Budgeting**, Vol. 16, No. 1, pp. 75-96, Spring 2011 (Farsi) ([link](#)).
12. Naseralavi S, Saffarzadeh M, Nadimi N & Mamdoohi AR, *Applying Time-to-Collision to enhance coefficient of determination for GHR car following model in deceleration mode*, **Modares Civil Engineering Journal**, Vol. 11, No. 1, pp. 17-26, Spring 2011 (Farsi) ([link](#)).
13. Hasaninasab S, Saffarzadeh M, Mamdoohi AR, *A method for optimal routing of integrated bus and BRT network*, **Journal of Transportation Engineering**, Vol. 2, No. 4, pp. 303-316, Summer 2011 (Farsi) ([link](#)).
14. Asadollahi R, Saffarzadeh M & Mamdoohi AR, *A model for bicycle route network design case: study of Qom city*, **Transportation Research Journal**, Vol. 8, No. 2, pp. 101-114, Summer 2011 (Farsi) ([link](#)).
15. Mamdoohi AR, Mahpur A & Masudi M, *An economic impact analysis of distance-learning as a transportation demand management strategy for educational trips*, **Journal of Civil Engineering**, Sharif University, Vol. 27-2, No. 3, pp. 17-22, Winter 2011 (Farsi) ([link](#)).
16. Jalali A, Mamdoohi AR, Alimoradi M & Mojtahed M, *Comparative Analysis of Fuel Consumption Management Strategies in Urban Transportation*, **Journal of Civil Engineering**, Sharif University, Vol. 27-2, No. 3, pp. 41-51, Winter 2011 (Farsi) ([link](#)).
17. Mamdoohi AR, Taherpur H & Sobhani MS, *Measuring the effectiveness of marketing information systems by strategic approach*, **Journal of Management Message**, Beheshti University, Vol. 10, No. 8, pp. 79-91, Winter 2011 (Farsi) ([link](#)).
18. Mamdoohi AR & Barzegar A, *Demand diversion model for HOV lanes: case of Tehran*, **Journal of Transportation Engineering**, Vol. 3, No. 2, pp. 143-157, Winter 2011 (Farsi) ([link](#)).
19. Mamdoohi AR, Mahpur A & Yusefikia M, *Minimum Spanning Tree concept development and its application in transportation network analysis*, **Modares Civil Engineering Journal**, Vol. 12, No. 2, pp. 61-69, Summer 2012 (Farsi) ([link](#)).

20. Mamdoohi AR & Kamyab S, *A proposed technique for selecting connector nodes to improve traffic assignment results; case of Mashad city*, **Journal of Transportation Engineering**, Vol. 3, No. 3, pp. 259-270, Spring 2012 (Farsi) ([link](#)).
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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 and connector for traffic assignment models*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 17 April 2019.
5. Kamyab S, *Modeling SAV choice as children's school trip mode*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, current.
6. Gholi H, *A behavioral approach to dynamic travel demand matrix estimation*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, current.
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9. Omrani H, *An integrated model of simultaneous mode and destination choice for discretionary activity (shopping center) using Hybrid Choice Models (HCM)*, PhD Dissertation, Tarahan Parseh Transportation Research Institute, joint with Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, current.
10. Abbasi M H, *Development of a behavioral model of autonomous taxis acceptability*, PhD Dissertation, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, current.

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3. Eshghabadi F, *Mutual Effects of Land Use and Transportation in Urban Planning of Tehran*, PhD Dissertation, Geography and 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*, 2011.
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10. Shariati M, *Emergency evacuation planning of urban transportation networks using management policies*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2013.
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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*, 2013.
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14. Roshanaee M, *A discrete choice model for urban trip patterns: case of Qazvin city*, MS Thesis, Transportation Planning Department, Civil & Environmental Engineering Faculty, *Tarbiat Modares University*, 2015.
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- Sharif University of Technology*
45. Ardeshiri A, *Telecommuting Adoption Modeling using Artificial Neural Networks*, MS Thesis, Transportation Planning Department, Civil Engineering Faculty, *Sharif University of Technology*, 2007.
  46. Shahangian RS, *The effect of Telecommuting Feasibility from Managers' point of view on Emplyees' Propensity to Telecommute*, MS Thesis, Transportation Planning Department, Civil Engineering Faculty, *Sharif University of Technology*, 2007.
- Institute for Management and Planning Studies*
47. SeyeddHashemi Tooloon MR, *Identification and Prioritization of Marketing Strategy Implementation Barriers in Iran Khodro Company*, MS Thesis, Business Management Department, *Institute for Management and Planning Studies*, 2007.
  48. Famian SR, *Modeling the Location Problem of TeleCenters with Mathematical Programming: the Case of Dubai*, MS Thesis, Industrial Management Department, *Institute for Management and Planning Studies*, 2007.
  49. Firouzi I, *Mode choice modeling for elementary and high school trips: Case of Kerman*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, 2016.
  50. Janjani A, *Identifying indices of transit oriented development and modeling effective factors on the use of Metro (Case Study of Tehran)*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, 2016.
  51. Zarei H, *An Assessment of equity indexes for urban public transit (Case Study of Tehran metropolis)*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, 2016.
  52. Delfanazari A, *Application of servival models for estimating bus transit travel time (Case Study of Tehran)*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, 15 Sep 2018.



53. Mohajerani S, *A discrete choice model for escorting school students considering latent variables (Case Study of Tehran)*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, 15 Sep 2018.
  54. Kanani S, *Value of travel time analysis for second ring area users (pollution area)*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, Sep 2019.
  55. Noori F, *Modeling traffic pricing scheme acceptance- case of Tehran*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, Sep 2019.
  56. Ramezanipoor Sh, *Travel mode change using mobility biographies and key events: migration case study*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, current.
  57. Shami S, *Effectiveness of Tehran pricing scheme from users' travel behavior perspective*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, Feb 2020.
  58. Ghasemi M, *A behavioral model for examining ride-sourcing usage in Tehran*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, current.
  59. Haghverdi F, *An impact assessment of pricing on mode shift of low emission zone users*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, current.
  60. Jahani T, *Modeling alternative fuel vehicle choice behavior: case of land freight transportation*, MS Thesis, Transportation Planning Department, *Institute for Management and Planning Studies*, current.
- Islamic Azad University- Science & Resaech Branch*
61. 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.
  62. 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.
  63. 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.
  64. 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.
  65. 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.
  66. 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.

### Islamic Azad University- South Branch

67. 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.
68. Shojaat S, *A Stochastic Model for Highway Capacity and its Applications at times of Disaster*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Islamic Azad University- South Branch*, 2012.

### Amin Police University

69. Ramani N, *Investigating the impact of sidewalks on pedestrian accidents, case of Broojen city, from 2012 to 2015*, MS Thesis, *Amin Police University*, 2017.
70. Yaghubpur R, *Investigating the effectiveness of pedestrian crossing equipment on their safety*, MS Thesis, *Amin Police University*, 2018.
71. 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 and 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 and 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 and 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 and 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 and 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 and 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 and 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 and Planning Studies*

27. Afroogh N, *Train Type Choice Model Considering Passenger Utility*, MS Thesis, Transportation Planning Department, Institute for Management and Planning Studies, 2006.
28. Sobhani S, *Relationship between Effectiveness of Marketing Information Systems and the Main Elements of Strategic Marketing Planning in Iranian Banks*, MS Thesis, Business Management Department, Institute for Management and 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 and 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 and Planning Studies, 2016.
31. Asadi M, *Identification of individuals preferences and factors influencing mode choice in daily trips of university staff, case of Ferdowsi University*, MS Thesis, Transportation Planning, Socioeconomic Systems Engineering, Institute for Management and Planning Studies, 2017.
32. Askari L, *A Joint Mode Change and Mode Choice Decision under TDM Policies- Case of a Copula Approach*, MS Thesis, Transportation Planning, Socioeconomic Systems Engineering, Institute for Management and 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 and 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 and Planning Studies, 2018.

*Iran University of Science & Technology*

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

*Amir Kabir University (Polytechnic)*

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

*Shahid Beheshti University*

37. Ebrahimi A, *Modeling Urban Spatial Growth using Cellular Automata Approach*, MS Thesis, Urban Planning Department, Shahid Beheshti University, 2006.
38. Eshghabadi F, *Evaluation of the prediction of Population and Employment based on Garin-Lowry model: the case of Tehran Metropolis*, MS Thesis, Urban Planning Department, Shahid Beheshti University, 2006.



39. Surgi M, *Location of Inter-Urban Passenger Bus Terminals within Cities*, MS Thesis, Urban Planning Department, *Shahid Beheshti University*, 2006.
40. Lavi M, *Spatial Inequalities in Public Health Care Facilities Access and Improvement Strategies: Case on Isfahan*, MS Thesis, Urban Planning Department, *Shahid Beheshti University*, 2008.

#### Islamic Azad University- Science & Resaech Branch

41. Rahimi K, *Budget Assignment Model for Rural Road Maintenance*, MS Thesis, Transportation Planning Group, Civil Engineering Department, *Azad University*, 2009.
42. Shirazinia E, *Operational Model for Multi Airport Metropolitan Regions*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Azad University*, 2011.
43. Golestani A, *An Economic–Technical Assessment Model and Scenario Selection of the Multi-Airport System*, MS Thesis, Transportation Planning Department, Civil Engineering Dept, *Azad University*, 2012.
44. 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

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

#### Islamic Azad University- South Branch

46. Chegini F, *Bus transportation network route model based on GIS*, MS Thesis, Transportation Planning Group, Civil Engineering Department, *Azad University*, 2012.
47. Tizpaz V, *Capacity and LOS analysis & improvement of Tehran province roads*, MS Thesis, Transportation Planning Group, Civil Engineering Department, *Azad University*, 2013.
48. 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 Journal Referee**

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

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

## **6 Faculty member in scientific-specialized conferences**

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 and Traffic Engineering Conference of Iran*, Tehran, Iran, 2011 (Faculty member and director of the specialized working group for transportation systems management).
5. *The 11th Transportation and Traffic Engineering Conference of Iran*, Tehran, Iran, 2012 (Faculty member and director of the specialized working group for transportation systems management).
6. *The 3th 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 and Transportation Engineering*, Tehran, Iran, 2013 (Faculty member and director of the specialized working group for transportation systems management).

11. *Second Conference on Development of Multimodal Transport Network in national and international trade*, Tehran, Iran, 2014 (Faculty member and member of the policy-making council).
12. *The 13th International Conference on Traffic and Transportation Engineering*, Tehran, Iran, 2014 (Faculty member and director of the specialized working group for transportation systems management).
13. *Third National Conference of Roadway, Railway and Arial Accidents*, Zanjan, Iran, 2014.
14. *The 1st National Road ITS Congress*, Tehran, Iran, 2015.
15. *The 14th International Conference on Traffic and Transportation Engineering*, Tehran, Iran, 2015 (Faculty member and director of the specialized working group for transportation systems management).
16. *The 15th International Conference on Traffic and Transportation Engineering*, Tehran, Iran, 2016 (Faculty member and director of the specialized working group for transportation systems management).
17. *Second Rail Based Urban Development Conference*, Tehran, Iran, 2017 (Faculty member and director of the specialized working group on transportation and traffic).
18. *Second Iran ITS Congress*, Tehran, Iran, 2017 (Faculty member).
19. *The 16th International Conference on Traffic and Transportation Engineering*, Tehran, Iran, 2017 (Faculty member and director of the specialized working group for transportation systems management).
20. *The 17th International Conference on Traffic and Transportation Engineering*, Tehran, Iran, 2018 (Faculty member and director of the specialized working group for transportation systems management).
21. *The 18th International Conference on Traffic and Transportation Engineering*, Tehran, Iran, 2020 (Faculty member and director of the specialized working group for transportation systems management).

## **7 Specialized Societies and 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.

## 8 Training Courses

1. *From Waste Water to Fresh Water: Technical and 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 and 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.

## 9 Scientific Awards

1. *Top Student*, M.S. Course, Transportation Planning, Socio-Economic Systems Engineering; Institute for Research on Planning and Development, 1996.
2. *Runner-Up*, M.S. Course, Socio-Economic Systems Engineering; Institute for Research on Planning and Development, Spring Term 1995.
3. *Fifth Rank* in the M.S. Entrance Examination, Socio-Economic Systems Engineering; Institute for Research on Planning and Development, 1993.
4. *Runner-Up in Science*, New Warran School, Plymouth, England, 1979.
5. *Awarded instructor*, Tarbiat Modares University, 2013.
6. *Awarded researcher*, Tarbiat Modares University, 2014.
7. *Awarded researcher*, Tarbiat Modares University, 2017 ([link](#)).
8. *Highest quality of teaching*, Civil Engineering Faculty, Tarbiat Modares University, years 2009, 2010, 2011, 2012 & 2014.

## 10 Technical and Research Project Reports

1. *Population Prediction for the Study Area for the Year 1994*, Comprehensive Transportation Studies for the City of Mashad, Report No. 74-04, **Institute for Transportation Studies and Research, Sharif University of Technology**, 1995.
2. *Freight Transportation Survey Results*, Comprehensive Transportation Studies for the City of Mashad, Report No. 74-05, **Institute for Transportation Studies and Research, Sharif University of Technology**, 1995.
3. *Transportation Goals and Objectives for the City of Mashad*, Comprehensive Transportation Studies for the City of Mashad, Report No. 74-09, **Institute for Transportation Studies and Research, Sharif University of Technology**, 1995.
4. *Phase One Executive Summary*, Comprehensive Transportation Studies for the City of Mashad, Report No. 74-14, **Institute for Transportation Studies and Research, Sharif University of Technology**, 1995.
5. *Population and Employment Prediction for the year 2001*, Comprehensive Transportation Studies for the City of Mashad, Report No. 76-01, **Institute for Transportation Studies and Research, Sharif University of Technology**, 1997.
6. *Mode Choice Models*, Comprehensive Transportation Studies for the City of Mashad, Report No. 76-03, **Institute for Transportation Studies and Research, Sharif University of Technology**, 1997.
7. *Transportation Demand Prediction for the year 2001*, Comprehensive Transportation Studies for the City of Mashad, Report No. 76-04, **Institute for Transportation Studies and Research, Sharif University of Technology**, 1997.
8. *Land Use Model: Population and Employment Prediction till the year 2016*, Comprehensive Transportation Studies for the City of Mashad, Report No. 76-14, **Institute for Transportation Studies and Research, Sharif University of Technology**, 1997.



9. *Transportation Demand Prediction for the year 2016*, Comprehensive Transportation Studies for the City of Mashad, Report No. 76-17, **Institute for Transportation Studies and Research, Sharif University of Technology**, 1997.
10. *Modeling Process Executive Summary*, Comprehensive Transportation Studies for the City of Mashad, Report No. 77-07, **Institute for Transportation Studies and Research, Sharif University of Technology**, 1995.
11. *Land Use Modeling: Population and Employment Prediction*, Tehran Comprehensive Transportation and Traffic Studies, Report No. 202, **Tehran Comprehensive Transportation and Traffic Studies**, 1998.
12. *Prediction of Socio-Economic Variables and Travel Demand till the year 2011*, Tehran Comprehensive Transportation and Traffic Studies, Report No. 203, **Tehran Comprehensive Transportation and Traffic Studies**, 1998.
13. *Modeling in Transportation: Travel Demand Prediction*, Tehran Comprehensive Transportation and Traffic Studies, Report No. 204, **Tehran Comprehensive Transportation and Traffic Studies**, 2001.
14. *Transportation and Traffic Studies*, Tehran and Suburbs Studies, Report No. 6-1, **Iranian Center for Architectural and Urban Research and Studies**, 1999.
15. *Prediction Models*, Tehran and Suburbs Studies, Report No. 6-2, **Iranian Center for Architectural and Urban Research and Studies**, 1999.
16. *Traffic Assignment Modeling*, Tehran and Suburbs Studies, Report No. 6-3, **Iranian Center for Architectural and Urban Research and Studies**, 2000.
17. *Forecasting for the Horizon Year and Suggestions*, Tehran and Suburbs Studies, Report No. 6-4, **Iranian Center for Architectural and Urban Research and Studies**, 2000.
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 and Industrial Services**, 2001.
19. *Modeling and Analyzing Transportation Demand*, Phase 3 Report, Increasing the Share of Tehran-Karaj Rail Transit, **Tehran Province Scientific and Industrial Services**, 2001.
20. *Comments on Updating the Comprehensive Transportation Studies of Mashad*, Reports of Stage 2 of Phase 1; Predicting Population, Employment and Travel Demand, **Mashad Traffic Organization**, Mashad Municipality, 2001.
21. *Mode Choice Models*, Comprehensive Transportation Studies for the City of Shiraz, Report No. 80-03, **Institute for Transportation Studies and Research, Sharif University of Technology**, 2001.
22. *Hinterland Analysis for Booshehr Port*, Role of Booshehr Province in Freight Transit, Report No. 5-2-2, **Institute for Research on Planning and Development**, 2002.
23. *Road Transportation Network Analysis*, Role of Booshehr Province in Freight Transit, Report No. 5-1-2, **Institute for Research on Planning and Development**, 2002.
24. *Prediction of Capacities for Wheat Storage Facilities for the Years 2006 and 2011 at Zonal Level*, Revising and Completing the Studies of Wheat Storage Facilities Expansion, Report No. 5, **Institute for Research on Planning and Development**, 2003.
25. *Prediction of Capacities for Wheat Storage Facilities for the Year 2021 at Province Level*, Revising and Completing the Studies of Wheat Storage Facilities Expansion, Report No. 4, **Institute for Research on Planning and Development**, 2003.
26. *Location Models for Wheat Storage Facilities*, Revising and Completing the Studies of Wheat Storage Facilities Expansion, Report No. 3, **Institute for Research on Planning and Development**, 2003.
27. *Prediction of Inputs to Location Model*, Revising and Completing the Studies of Wheat Storage Facilities Expansion, Report No. 2, **Institute for Research on Planning and Development**, 2002.
28. *Basic Information*, Revising and Completing the Studies of Wheat Storage Facilities Expansion, Report No. 1, **Institute for Research on Planning and Development**, 2001.

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.
32. *Basic Studies and General View*, Khuzestan Steel Company Site Transportation Planning, Report No. 196-R2003, **Transportation and Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2005.
33. *Data Analysis*, Khuzestan Steel Company Site Transportation Planning, Report No. 196-R2004, **Transportation and Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2005.
34. *Modeling the Transportation System of Khuzestan Steel Company*, Khuzestan Steel Company Site Transportation Planning, Report No. 196-R2005, **Transportation and Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2005.
35. *Locating and Designing the new Gate, Weigh Bridges and Trucks Terminal*, Khuzestan Steel Company Site Transportation Planning, Report No. 196-R2006, **Transportation and 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 No. 196-R2008, **Transportation and Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2005.
37. *Organizing the Surrounding Corridors of Khuzestan Steel Company*, Khuzestan Steel Company Site Transportation Planning, Report No. 196-R2009, **Transportation and Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2005.
38. *Organizing the Internal Corridors of Khuzestan Steel Company*, Khuzestan Steel Company Site Transportation Planning, Report No. 196-R2010, **Transportation and Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2005.
39. *Final Part-One Phase-Zero Report*, Feasibility and Location Study of the Megaport in Booshehr Province, **Pooya Tarhe Pars Consulting Engineers**, March 2006.
40. *Mid Part-One Phase-Zero Report*, Feasibility and Location Study of the Megaport in Booshehr Province, **Pooya Tarhe Pars Consulting Engineers**, December 2005.
41. *A Proposed Short-Term Action Plan*, Innovative Traffic Congestion Alleviation for Dubai, **Wilbur Smith Associates & Centroid International**, 2006.
42. *Final Phase Two Report*, Comprehensive Studies of Hierarchical Structure of Researches in Surface Transportation Planning and Management, Project (83B3T5P27(PEL)), March 2006.
43. *Final Phase One Report*, Comprehensive Studies of Hierarchical Structure of Researches in Surface Transportation Planning and Management, Project (83B3T5P27(PEL)), March 2006.
44. *Introduction, Database Formation and Preliminary Analysis*, Teleworking Impact Study for the City of Tehran, First Phase Final Report, **Institute for Management and Planning Studies**, 2007.
45. *Modeling and Prediction of Teleworking Demand*, Teleworking Impact Study for the City of Tehran, Second Phase Final Report, **Institute for Management and Planning Studies**, 2007.
46. *Traffic Assignment Models and Telework Impact Analysis*, Teleworking Impact Study for the City of Tehran, Third & Fourth Phases Final Report, **Institute for Management and Planning Studies**, 2008.
47. *Basic Studies*, CNG Station Location Comprehensive Plan of Iran, Report No. 314-R2205, **Transportation and Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2007.
48. *Prediction of Number and Capacity of Inter Urban CNG Stations*, CNG Station Location Comprehensive Plan of Iran, Report No. 314-R2206, **Transportation and Logistics Group, Terhe-No-Andishan Consulting Engineers**, 2007.

49. *Prediction of Number and Capacity of Urban CNG Stations*, CNG Station Location Comprehensive Plan of Iran, Report No. 314-R2207, **Transportation and Logistics Group**, *Terhe-No-Andishan Consulting Engineers*, 2007.
50. *Phase One Executive Summary*, CNG Station Location Comprehensive Plan of Iran, Report No. 314-R2009, **Transportation and Logistics Group**, *Terhe-No-Andishan Consulting Engineers*, 2007.
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55. *Introduction to Inter Urban Transportation Demand Management*, Assesment of Inter Urban Passenger and Good Transportation Demand Management strategies for Iran, Final Phase One Report, **Arman Taradod Pars Consulting Engineers**, June 2008.
56. *Literature Survey in other Countries*, Assesment of Inter Urban Passenger and Good Transportation Demand Management strategies for Iran, Final Phase Two Report, **Arman Taradod Pars Consulting Engineers**, August 2008.
57. *Prioritization of Inter Urban Transportation Demand Management Measures for Iran*, Assesment of Inter Urban Passenger and Good Transportation Demand Management strategies for Iran, Final Phase Three Report, **Arman Taradod Pars Consulting Engineers**, January 2009.
58. *Action Plan for Inter Urban Transportation Demand Management Measures*, Assesment of Inter Urban Passenger and Good Transportation Demand Management strategies for Iran, Final Phase Four Report, **Arman Taradod Pars Consulting Engineers**, February 2009.
59. *Literature Survey, Methodology and Questionnaire Survey Design*, Final Report, Identification of Research Topics in Inter Urban Transportation, Project (88B3T11P06(PLA)), April 2009.
60. *Data Collection*, Identification of Factors Affecting Urban Transportation Fuel Consumption and Suggestions, Final Phase One Report, **Institute for Management and Planning Studies**, December 2009.
61. *Identification and Modeling of Urban Transportation Factors*, Identification of Factors Affecting Urban Transportation Fuel Consumption and Suggestions, Final Phase Two Report, **Institute for Management and Planning Studies**, February 2010.
62. *Suggestions for Reducing Urban Transportation Fuel Consumption*, Identification of Factors Affecting Urban Transportation Fuel Consumption and Suggestions, Final Phase Three Report, **Institute for Management and Planning Studies**, March 2010.
63. *Definitions and Literature Survey*, Final Phase One Report, Transportation Network Performance Analysis at times of Disaster, Project (88B10T1P15(DM)), October 2011.
64. *Data Collection, Methodology and Modeling*, Final Phase Two Report, Transportation Network Performance Analysis at times of Disaster, Project (88B10T1P15(DM)), November 2011.
65. *Software Package as a DSS*, Final Phase Three Report, Transportation Network Performance Analysis at times of Disaster, Project (88B10T1P15(DM)), December 2012.
66. *A Case Study*, Final Phase Four Report, Transportation Network Performance Analysis at times of Disaster, Project (88B10T1P15(DM)), December 2012.

## 11 Lectures

1. *Reducing Redundant Transportation*, **Third Distribution Management Conference**, Shahid Beheshti University, 31 July 2010.
2. *Health & Transportation: Transportation Management*, **First Health & Transportation scientific meeting**, Office of Social and Cultural Studies, Deputy of Social and Cultural Affairs, Tehran Municipality, 21 June 2009.
3. *Aspects and Challenges of Urban Transportation: Large Cities of Iran*, **Roundtable on Urban Transportation Policy and Culture**, City Department of Iran Sociology Association, Faculty of Social Sciences, University of Tehran, February 2008.

## 12 Interviews

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 ([link](#)).
5. *Tehran traffic jams on rainy days: Why does rain lock Tehran?*, **Radio interview** (Fararu), 16 April 2018 ([link](#)).
6. *Expanding the traffic restricted area to even or odd area*, Live radio interview (City Voice, Zarehbin), 10 December 2018 ([link](#)).
7. *Addition of even and odd area to traffic restricted area (challenges, opportunities and 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](#)).

## 13 Areas of Interest

1. Transportation Demand Management: Teleworking,
2. Travel demand modeling and forecasting,
3. Mode choice models,
4. Modified Garin-Lowry incremental long range land use models,
5. Home-service and home-work trip models,
6. Transportation goals and objectives (some heuristic models),
7. Population and employment forecasting models,
8. Facility location problem,
9. Travel behavior models.