

I. PERSONAL INFORMATION:

Name: Mahmoud Saffarzadeh

Date of Birth: 31/08/1963, Shahr Babak

Address: Room 405, Department of Civil Engineering,

Tarbiat Modares University, P.O.Box. 14155-143 Tehran, Iran.

Tel: (9821)82883386 and (9821)828844914

No. 23 55west, Jahan Ara Street, Yousefabad, Tehran, Iran.

(9821) 88035323, 88044527, 88034045, Fax: (9821) 88046905

E-mail: Saffar_m@modares.ac.ir , saffarzadeh.ma@gmail.com

Fax: (9821)82884914-15



II. EDUCATIONAL RECORDS:

B.Sc Civil Engineering, Bahonar University, Kerman, 1987

M.Sc Transportation and Planning Engineering, Carleton University, Ottawa, 1991

Ph.D. Transportation and Planning Engineering, Carleton University, Ottawa, 1995

III. ACADEMIC EXPERIENCES:

- Professor, Tarbiat Modarres University, Tehran, Iran, (2008)
- Associate Professor, Tarbiat Modarres University, Tehran, Iran, (2001-2008)
- Assistant Professor, Tarbiat Modarres University, Tehran, Iran. (1995-2001)
- Teaching Assistant, Carleton University, Ottawa, Canada, (1989-1995)
- Teaching Assistant, Bahonar University, Kerman, Iran, (1985-1987)

V. RESEARCH INTERESTS:

- 1) Planning & Design of Airports
- 2) Transportation Terminals
- 3) Traffic Engineering
- 4) Transportation Safety
- 5) Advanced Highway Design
- 6) Intelligent Transportation System

IV. BOOKS:

1. Airport Planning and Design (Volume I: Planning, Volume II: Design), Mahmoud Saffarzadeh, Gholamreza Maasoumi, Navid Nadimi, Winter 2015
2. Mahmoud Saffarzadeh., "Traffic and Transportation Engineering", Volumes I & II, Third Edition, Tarbiat Modares University Press, 2015.
3. Mahoud Saffarzadeh, Ramtin Bagheri, "How to make two lane roads Safer, Law Enforcement publication, winter 2012.
4. Mahmoud Saffarzadeh, 'Geometric Design of Highways and Streets', Vol. 1, Transportation Research Institute, Iran, June 2009.
5. Mahmoud Saffarzadeh, 'Geometric Design of Highways and Streets', Volume 2 and 3, Transportation Research Institute, Iran, August 2009.
6. Mahmoud Saffarzadeh, "Marine Transportation", Ports & Shipping Agency, 2006.
7. Mahmoud Saffarzadeh, Farzad Rahimi, "Noise Pollutions of Transportation System", Environment Protection Agency Nov., 2003.

8. Mahmoud Saffarzadeh, "Airport Master Planning Manual", Research and Education Center, Ministry of Road and Transportation, Tehran, Iran 1997.

V. RESEARCH PROJECTS:

1. Providing and development of a set of dangerous material transportation safety sheet, Ministry of Road and Transportation Research Institute, 2013.
2. The comprehensive studies on transportation and providing the strategic management of Tehran highways, The Total Road and Urban Development Company, 2012.
3. Research conducted on probability of application of smart cards in Tehran, Traffic Control Company, 2012.
4. Providing the requirement and alternatives related to navigation implementation based Iran performance criteria, Transportation research Institute, 2011.
5. Tehran Multi-airport network studies, Imam Khomeini International Airport, 2011.
6. The revision of Airport Airside Design Manual, No. 233, Planning and Management Organization, 2010.
7. Evaluation of probability intelligence system application in disaster management cycle, Transportation Research Institute, 2010.
8. Development of a Model to Forecast the Fleet Size and its Category for the 20 Year Horizon, Civil Aviation Organization, Tehran, Iran, 2009.
9. Providing the location, design and implementation of highway light systems, Transportation Research Institute, 2009.
10. Mashhad Transportation and Traffic Comprehensive Plan, Mashhad Municipality, 2009.
11. Providing the traffic calming standard, Tehran Municipality, 2009.
12. Providing the urban hierarchy performance standard, Tehran Municipality, 2009.
13. Airport Landside Design Manual, No. 197, Planning and Management Organization, 2000.
14. Effective Parameters of Developing Air Transport Market in Iran, Transportation Research Institute, Iran, 2008.
15. An Optimum Budget Allocation Model for Repair and Maintenance of Roads, Ministry of Roads and Transportation, Iran, 2008.
16. An Optimum Site Selection Model for Road Lighting, Transportation Research Institute, 2008.
17. Determination of New Technology for Repair and Maintenance of Roads, Ministry of Roads and Transportation, Iran, 2008.
18. Providing the rehabilitation and maintenance budget allocation model on highway preservation activities, Study and Research Office of Ministry of Road and Transportation, 2008.
19. Road Safety Manual, Seven Volume, Publication No. 231, Planning and Management Organization, 2006.
20. Design Manual of Ports and Offshore Structures, Eleven Volumes, No. 240, Planning and Management Organization, 2005.
21. Providing the transportation safety strategy of Iran, 2005.
22. Design Manual of Asphalt Concrete Pavement, No. 234, Planning and Management Organization, 2002.

23. Airport Airside Design Manual, No. 233, Planning and Management Organization, 2001.
24. Abstract Proceeding of 8th International Conference of Transportation, Belgium, Research and Education Road and Urban Development Publication Center.
25. Consideration of problems and deficiencies in freight transportation, Road and Transportation Research and Training Center.

VI. Memberships and Affiliations:

1. Member of High Council Committee of Transportation and Civil, Ministry of Science and research and technology.
2. Member of International Conference of Science, Engineering and Environmental Technologies (CESET).
3. Member of the Iranian Association of Transportation and Traffic Engineering, 1995.
4. Member of the Railroad Research Council, 1999.
5. Member of the Scientific Committee of the Regional Conference on Transportation and Traffic Engineering, 2004.
6. Member of the National Geographic Information Working Group of the High Council of Information Dissemination, 2004.
7. Member of the Board of Technical Committee for Interurban Roads of Permanent International Association of Road Congress 2002.
8. Member of the Housing and Urban Development Committee of the Industrial Commission of National Scientific Research Council, 1997.
9. Member of the High Council on Aviation Studies, 1998.
10. Member of The Board of Directors Specialized Traffic Group, Professional Engineering Organization, 1997.
11. Member of the Railroad Development Consulting Company (Metra), 2002.
12. Member of International Road Federation (IRF), 2004.
13. Member of the Editorial Board of The Roads Journal (Jaddeh), 1999.
14. Member of the Board of Directors, Transportation and Traffic Organization, 2005.
15. Member of the Technical High Council of Transportation Infrastructures, 2006.
16. Member and Board of Directors, Iranian Society of Railroad Engineering, 2006.
17. Member and Board of Directors, Iranian Society of Transportation Engineering, 2006.
18. Member of the Board of Directors of the Middle East Marine Engineering Services (Tidewater), 1998.
19. Member of the International Society on Energy Economics (IAEE), 2003.
20. Member of the World Conference Transportation Research Society (WCTRS), 2004.
21. Member of the Aviation Transportation Research Society (ATRS), 2005.
22. Member of the Society of Value Engineering (SAVE), 1999.
23. Member of the Iranian Society of Civil Engineering, 1996.
24. Member of Reviewers Committee of International Civil Engineering Congress,

VII. Work Experiences:

1. Head of Research and Technology High Council, Ministry of Road and Urban Development.
2. The manager of Traffic and Transportation Organization of Tehran Municipality.
3. Deputy of Research and Technology of Road, Housing and Urban Development Research Center.
4. Deputy Head and director general of private research organization union.
5. Dean of Faculty of Civil and Environmental Engineering, Tarbiat Modares University.
6. Editor-in Chief, International Journal of Transportation Engineering (IJTE).
7. Research Deputy of Faculty of Engineering, Tarbiat Modares University.
8. Director of Road and Transportation Department, Tarbiat Modares University.
9. Editor In Chief, RAHVAR, Journal.
10. Editor In Chief, Journal of Traffic Management Studies.
11. Member of the Editorial Board of the Civil Engineering Journal, Tarbiat Modares University.
12. Head of development and supplementation of Transportation Infrastructures Expert Group , International Transit Festival
13. Editor In Chief, Journal of Transportation Engineering (JTE).
14. Head of Traffic and Transportation Committee for the International Logistic and Supply Chain Conference.
15. Member of Traffic research council for the Municipality of Tehran.
16. Vice President of Iranian Traffic Expert Society.
17. Head of Scientific Committee, the transportation and Traffic Conferences.
18. Head of the Roads and Transportation Research and Education Center.
19. Secretary, High Technical Council on Transportation Infrastructures.
20. Research Deputy of Transportation Research Institute.
21. The member of Aviation High Committee
22. Iran Aviation Organization consultant.
23. Secretary of the National Council for Reviewing, Evaluating and Approval of Comprehensive Transportation Studies.
24. Member of the Board of Directors, Meteorological Research Institute.
25. Secretary, Council on Transportation Policies.
26. President, Headquarters on Transportation Comprehensive Studies.
27. Member of the Permanent Commission of the Board of Directors of Transportation Research Institute.
28. The member of High Council of Iran Aviation Organization Studies.
29. The supervisor of Ministry of Road and Transportation research and Training Center.
30. Editor in chief of Advances in Traffic Engineering Journal.

VIII. Achievements:

1. Receiving Appreciation Letter from as a pioneer in traffic and transportation science from Tehran Construction Engineering Organization.
2. Receiving Appreciation Letter from the members of 14th conference on Housing Development policies in Iran, 2014.
3. Receiving Appreciation Letter as the Exemplary researcher in the field of transportation engineering from 16th International Conference of railway transportation.
4. Appreciation Letter for Publishing the Best Book in Traffic Engineering, at the International Festival of City Management, Tehran, 2012.
5. First Top Student in the High School Diploma (Mathematics & Physics), at Kerman Province (grade 19.11)
6. First Top Graduate at Civil Engineering, B.Sc. Course in Kerman University, 1987.
7. Top Graduate at the MSc. Course in Carleton University and Gaining the Grant for Ph.D. in Canada, 1990.
8. Top Graduate and Student in Ph.D. Course and Granted for Tuition Fee Waiver, 1990.
9. Distinguished Researcher at Tarbiat Modares University, Tehran, Iran 2002-2005.
10. Exemplary University Researcher at the Academic years of 2006 and 2007.
11. Distinguished Lecturer at Tarbiat Modares University, Tehran, Iran, 2001.
12. First Top Researcher in the Field of Road and Transportation in year 2000.
13. Appreciation Letter of Participation in the Supporting Role of Governments of Railroad Transportation
14. Top Employee of the Ministry of Roads and Transportation, at Rajaiee Scientific Festival, 2002.
15. Presentation of the Top Paper at the Second Technology Management Conference, 2005.
16. Appreciation Letter from Ministry of Roads and Transportation for holding the 6th Conference on Rail Transportation Management and Policy Studies, 2000.
17. Receiving Appreciation Letter from the Head of Planning and Budget Organization for the First Conference on Marine Industry, 1998.
18. Receiving Appreciation Letter from the Secretary of the International Council on Energy Economics for Participation in National Energy Conference, 2000-2002.
19. Presentation of the Top Paper at the Fourth, Fifth and Sixth International Conference on Transportation and Traffic Engineering Conference, 2001-2002.
20. Presentation of the Top Paper at the Fourth and Sixth Railroad Engineering Conference, 2001-2002.
21. Receiving Appreciation Letter at the National Civil Engineering Students Festival, 2001- 2003.
22. Receiving Appreciation Letter for Publishing the Best Book in the Field of Roads and Transportation (at the Research Week Festival), 2004.
23. Presentation of the Top Paper at the Fourth Conference on Quality Management, 2003.

24. Receiving Appreciation Letter from Isfahan Municipality for Presentation a Paper at the Citizenship Cultural Development Alternatives Conference, 2004.
25. Receiving Appreciation Letter at the 10th National Civil Engineering Students Conference, as the Member of the Referees of the Conference, 2005.

IX. Journal PAPERS:

- ✓ Majid Zabihi, Mahmoud Saffarzadeh, Syedehsan Seyedabrishami, “Identification of the effective factors on passengers’ international air flight mode”, *Journal of Transportation Research*, Acceptor, 2016.
- ✓ Majid Zabihi, A. Mazaheri, S. Seyedabrishami, M. Saffarzadeh “Analysis of Iranian Air Passengers’ Behavior Choosing Airlines in International Flights (Case study: Southeast Asia Flights)”, *Journal of Transportation Engineering*, Volume 7, Issue 4, Summer 2016, Page 615-627.
- ✓ Alireza Mahpour, Amirreza Mamdouhi, Mahmoud Saffarzadeh, Taha Hoseinrasidi, “Providing the Integrated Model of destination choose of cloth shopping trips using Structural Equation Modeling”, *Modraes Civil Engineering Journal*, 2016, Accepted.
- ✓ Alireza Mahpour, Amirreza Mamdouhi, Mahmoud Saffarzadeh, Taha Hoseinrasidi, “The Analytical Analysis on simultaneous role of Parking Lots and Food courts in Travel Generation to Trade Centers”, *Sahrif Journal*, 2016, Accepted.
- ✓ Alireza Mahpour, Amirreza Mamdouhi, Mahmoud Saffarzadeh, Taha Hoseinrasidi, “Identification of effective personal factors on client attraction to trade centers, Tehran Case study”, *Journal of Business Management*, 2016, accepted.
- ✓ Alireza Mahpour, Amirreza Mamdouhi, Mahmoud Saffarzadeh, Taha Hoseinrasidi, “Determination of effective factors on Tehran Bazar shopping destination using Structural Equation Modeling”, *Human Geography Research Quarterly*, 2016, accepted.
- ✓ Ali Khaksari, Elnaz Naseri, Mahmoud Saffarzadeh, “Evaluation and implementation of Complete street in Iran to obtain local base sustainable development (Case study: Iran Zamin Street, Tehran)”, *Journal of Transportation Engineering* (9-a-105)
- ✓ Hooman Alenouri, Sayed Mehdi Meshkani, Mahmoud Saffarzadeh, Saied Sherafatipour, “Locating Even-and-Odd zone entrance cameras by maximum infraction coverage approach”, *Journal of Transportation Engineering*, (9-a-104)
- ✓ Mahmoud Saffarzadeh, Ali Abdi, “Hysteresis phenomenon Analysis in Stop-and-Go traffic flow based on behavioral evaluation of a driver after the disturbance”, *transportation research Journal*, Code:93-1658 (9-a-103)
- ✓ Mahmoud Saffarzadeh, Ali Abdi, “Measuring and identification of Hysteresis phenomenon based on Kinematic wave and driver behavior”, *Traffic Engineering Journal*, Code:1393-781 (9-a-102)
- ✓ Mahmoud Saffarzadeh, Seyed Ehsan Seyedabrishami, Sajad Hasanpour, “Route Evaluation for Hazardous Material Based on Risk Analysis: Case Study of Tehran-Mazandaran Roads”, *Journal of Transportation Engineering*, Volume 7, Issue 1, Spring 2015, Page 73-86.

- ✓ Mojtaba Kazemi, Mahmud Saffarzadeh, Hadi Movaghari, Mohsen Fallah zavare, “A Method for Estimating Costs of Road Traffic Crashes in Iran, Journal of Transportation Engineering, Volume 6, Issue 4, Summer 2015, Page 627-640.
- ✓ Amin mirza Boroujerdian, Mahmoud Saffarzade, Ali Ghasemzadeh Khoshgroudi, “Using Spatial Autoregressive Lag Model to Predict Crash Rates in Roads Segments (Maximum Likelihood Estimation)”, Volume 6, Issue 3, Summer 2015, Page 383-396 .
- ✓ Mahmoud Saffarzadeh, et. Al., “Considering the Effect of Road Pricing on Modal Choice by Preferences and Choice Method” The Modareds Journal of Civil Engineering, To be published, Volume 14, Issue 4, Winter 2015, Page 137-148 . (9-a-95)
- ✓ Aminmirza Boroujerdian, Mahmoud Saffarzadeh, Asghar Mousavi, “ Safety Evaluation of converting Two Lane Roads to Four Lane Roads” Rahvar Scientific Research Journal, No. Fall 2014 (9-a-101)
- ✓ Seyed Ramtin Bagheri, Mahmoud Saffarzade, “Estimation of proposing a new model to reduce probability of bird accident with airplane”, Jadeh Journal, (9-a-100)
- ✓ Mohammad Tamanai, Mahmoud Saffarzadeh, Amin Jamili, Seyed Ehsan Seyedabrishami, “Rail Departure Timing Using Branch and Bound Algorithm and beam search” Journal of Transportation Engineering, Code: 92-1238, (9-a-99)
- ✓ Aminreza Mamdouhi, Mahmoud Saffarzadeh, Siavash Shojaat, “A Stochastic Approach to Freeway Capacity Estimation: Tehran-Karaj Freeway Case Study” The Modares Journal of Civil Engineering, Volume 4, No. 2, Summer 2014, (9-a-98)
- ✓ Mahmoud Saffarzadeh et. al., “Locating the Even-Odd Zone cameras by Obtaining the maximum Coverage of Infractions” Journal of Transportation Engineering, Vol. 4, No. 2, Winter 2014, (9-a-97)
- ✓ Mahmoud Saffarzadeh, et. Al., “Determination of Optimal Tariff for vehicle Ownership and Vehicle Use by minimizing the external Costs” Quarterly Journal of Transportation Engineering, to be published. (9-a-96)
- ✓ A. Bazargani, A. Mamdouhi, M. Saffarzade, “Development of Linear Programming Model to Achieve Optimal Ramp Metering: Hemat Highway Case Study). The Modareds Journal of Civil Engineering, Volume 14, especial summer, Summer 2014, Page 147-158. (9-a-94)
- ✓ Mahmoud Saffarzadeh, et. Al., “A Method to Estimate Coefficients of Trip Demand Matrix in Ramp Metering Optimization Models”, Journal of Traffic Engineering, May 2013. (9-a-93)
- ✓ Mahmoud Saffarzadeh, et, Al., “ A communication Algorithm for Automatic Vehicle Location in Disaster Management”, Journal of Transportation Technology, Vol. 6, No. 17. Pp73-80, winter 2012. (9-a-88)
- ✓ Mahmoud saffarzadeh, et. Al., “ Offering trains time schedule model by consideration of special restrictions on single lane road in Iran Rail network”, Quarterly Journal of Transportation Engineering, Vol. 4, No. 2, pp. 73-80, winter 2012. (9-a-93)

- ✓ Mahmoud Saffarzadeh et. Al., "Sensitivity analysis on road transportation network with simultaneous change in demand and supply in disaster time", Quarterly journal of traffic management, Vo. 7, No. 26, fall 2012. (9-a-91)
- ✓ 4) Mahmoud Saffarzadeh et. al., "Development of Sped-Density model on the basis of local stream data, Tehran- Qom freeway", Vol. 7, No. 25, summer 2010. (9-a-90)
- ✓ Mahmoud Saffarzadeh, et. Al., "A Safety Evaluation Method based on the Fatal Accident Data", RAHVAR Quarterly Journal, Vo. 9 No. 18, PP 85-104, Summer 2012. (9-a-89)
- ✓ Mahmoud Saffarzadeh, et. Al., "Comparative Study of Traffic Fines in Iran with other Countries", RAHVAR Quarterly Journal, Vo. 9 No. 17, PP 59-74, Spring 2012. (9-a-86)
- ✓ Mahmoud Saffarzadeh, et. Al., "Analysis of Pedestrian accident in Iran and Proposing Solutions for its alleviation", Journal of Jaddeh, No. 69 PP233-248, Winter 2011. (9-a-85)
- ✓ Mahmoud Saffarzadeh, and Babak Mirbaha., "Economic Evaluation of Infrastructure Development at Congested Urban Corridors", Sharif University Research Journal, Vol. 2, No. 3, PP 65-73, Winter 2011. (9-a-84)
- ✓ Mahmoud Saffarzadeh, et. Al., "An Optimum Route Selection Model for Public Transportation and Bus Rapid Transit", Journal of Transportation Engineering, Vol. 2, No.4, PP 303-316, summer 2011. (9-a-84)
- ✓ Mahmoud Saffarzadeh, et. Al., "Risk Evaluation of Dangerous Good Movement in Roads, RAHVAR Journal, Vol.8, No. 16, PP 7-18, Winter 2011. (9-a-83)
- ✓ Mahmoud Saffarzadeh, et. Al., "Application of Simulation in Car-Following Model of Traffic studies", RAHVAR Journal, Vol.8, No. 15, PP 59-74, autumn 2011. (9-a-82)
- ✓ Mahmoud Saffarzadeh, et. Al., "Using NGSIM data as a Useful tool in in Simulation of Traffic Flow", RAHVAR Journal, Vol.8, No. 14, PP 65-76, summer 2011. (9-a-81)
- ✓ Mahmoud Saffarzadeh, and Reza Assedolahi, "Development of a Model for Design of Bicycle Route Network; Case Study, Qom", Journal of Transportation Engineering, Vol. 8 No. 2, pp 101-105, summer 2011. (9-a-80)
- ✓ Mahmoud Saffarzadeh, and Majid Zabihi, "An Optimum model for the Hub and Spoke Network based on Air Traffic demand", Research Journal of Modares, Vol. 11, No., 4, PP 57-68, Winter 2011. (9-a-79)
- ✓ Mahmoud Saffarzadeh, and Ramtin Bagheri, "Comparison of Pedestrian Walkway Facilities to improve their safety and Prevent Accident", Traffic Management Studies Journal, spring 2011. (9-a-74)
- ✓ Mahmoud Saffarzadeh, and Maryam Nakhaiee, "Development of a Pricing Model for on-Street Parking to increase parking Garages", Transportation Research Journal, Vol. 7, No. 4, PP 375-388 winter 2010. (9-a-77)
- ✓ Mahmoud Saffarzadeh, and Shahab Hassanpour, "Airport Classification based on operational and Level of Service Using AHP", Modares Research Journal, Vol. 10, No. 4, PP 33-47, Winter 2010. (9-a-76)

- ✓ Mahmoud Saffarzadeh, et. Al., "Studying the Causes and Factors Effective in Reducing Rural Accidents in Iran Using Regression Models of LR, CRT and GLM", *Journal of Disciplinary Knowledge*, Vol. 12, No. 1, 2010. (9-a-75)
- ✓ Seyyed Saber Nasser Alavi, Mahmoud Saffarzadeh, Navid Nadimi and Amir Reza Mamdouhi, "Using Time-to-accident Index to Enhance the Regression Model of the GHR Vehicle Chasing in Negative Acceleration", *Modares Civil Engineering Journal*, Vol. 11, No. 1, 2011. (9-a-73)
- ✓ Mahmoud Saffarzadeh and Ali Torabi, "Development of a Model to Determine the Optimum Corridor Considering Environmental Conditions in GIS", *Journal of Traffic Engineering*, Vol. 11, No. 44, 2010. (9-a-72)
- ✓ Mohsen Hadigheh Javani, Mahmoud Saffarzadeh and Seyyed Saber Nasser Alavi, "Studying a Prioritization Model to Increase Pedestrian Safety in Walkways Using Artificial Neural Networks (ANN)", *Journal of Traffic Management Studies*, Vol. 5, No. 16, 2010. (9-a-71)
- ✓ Seyed Saber Nasser Alavi, Mahmoud Saffarzadeh and Navid Nadimi, "Estimation of the Behavior of Vehicle Chasing Using the Principles of Differential Equation", *Journal of Transportation Research*, Vol. 7. No. 3, 2010. (9-a-70)
- ✓ Seyed Saber Nasser Alavi, Mahmoud Saffarzadeh, Amir Reza Mamdouhi and Navid Nadidmi, "Introduction of an Emergency Braking Safety Index for In-time Recognition of Rear-End Collision", *Transportation Engineering*, Vol. 1, No. 3, 2010. (9-a-69)
- ✓ Mahmoud Saffarzadeh, et. Al., "Using Time-to-accident Index for Development of Accident Prevention Systems", *Journal of Traffic Engineering at Tehran Transportation and Traffic Organization*, Number 43, 2010. (9-a-68)
- ✓ Mahmoud Saffarzadeh, Yashar Zeinali, "An Optimum Site Selection Model for Trade Logistic Centers to Serve Goods Transit in ECHO", *Transportation Engineering Journal*, Vol. 1, Number 2, Feb. 2010. (9-a-67)
- ✓ Mahmoud Saffarzadeh, et., el., "Evaluation of Car Following Model in Traffic Flow Simulation Using VISSIM", *Rahvar Journal*, Vol. 7, No. 9, March 2010. (9-a-66)
- ✓ Mahmoud Saffarzadeh, Mohsen Zahedi, "Effect of Pavement Roughness and Lighting on Freeway Free Flow Speed", *Transportation Research Journal*, Vol. 7, No. 1, April 2010.(9-a-65)
- ✓ Mahmoud Saffarzadeh, Maghsood Pooriari, " Evaluation of Bus Trip Risk in an Intercity Major Highway", *Traffic Management Journal*, Vol. 4, No. 14, Nov. 2009.(9-a-64)
- ✓ Sayed Saber Naser Alavi, Mahmoud Saffarzadeh, Mostafa Adresi, "Evaluation and comparison of safety measurement methods according to accidents and vehicle interaction data", *RAHVAR journal*, Vol. 6, No. 6, PP. 23-40, summer 2009. (9-a-60)
- ✓ Mahmoud Saffarzadeh, Kambiz Mostofi, " Demand Diversion of Air Transit in the Over Flight Sector", *Journal of Civil Engineering, University of Mashhad*, Vol. 21, No. 1, Sept. 2009. (9-a-63)
- ✓ Mahmoud Saffarzadeh, et., el., "The Role of Human Factors in Severity of Road Accident Based on LR and CART regression Models, *Journal of Traffic Management Studies*, Vol. 4, No. 13, 2009.(9-a-62)

- ✓ Mahmoud Saffarzadeh & Saber Alavi, "Fleet Planning Based on the Research optimum Methods", Journal of Transportation Research, Vol. 6, No. 2, 2009. (9-a-61)
- ✓ Mahmoud Saffarzadeh, et., el.," Economic Evaluation of Using Compressed Natural Gas in Tehran Bus Transportation System, Journal of Transportation Research , Vol. 6, No. 1, 2008. (9-a- 60)
- ✓ Mahmoud Saffarzadeh, Ali Abdi, "Effective Parameters on Safety of Aircraft Landing Based on the Capacity of Airport Airside", Journal of Roads No. 65, 2009. (9-a- 59)
- ✓ Mahmoud Saffarzadeh, et., el.," Evaluating the Visibility of Highway Information Signs Based on Mathematical Models", Journal of Traffic Management Studies, Vol. 3, No. 11, 2009. (9-a- 57)
- ✓ Mahmoud Saffarzadeh, et., el.," Developing a Model for Selecting At-grade Intersection or Interchange on Multilane Highways", Journal of RAHVAR, Vol. 5, No. 3, 2008. (9-a- 56)
- ✓ Mahmoud Saffarzadeh, et. Al., "Capacity Assessment of Commercial Ports in the next Twenty Years", Journal of Roads No. 62, 2008. (9-a- 55)
- ✓ Mahmoud Saffarzadeh, H. Tazar," The Role Comfort and Convenience on the Increase of Public Transportation Demand", Journal of Traffic Management Studies, Vol. 3, No. 9, 2008. (9-a- 54)
- ✓ Mahmoud Saffarzadeh, et. el.," A New Model in Runway Operation Management to Increase Airport Airside" Journal of Transportation Research, Vol. 5, No. 62, 2008. (9-a- 53)
- ✓ Mahmoud Saffarzadeh, et., el.," Identification of Effective Parameters in Prioritizing Accident Prone Areas Based on Group AHP", Journal of Transportation Research, Vol. 5, No. 2, 2008. (9-a- 52)
- ✓ Mahmoud Saffarzadeh, Ali Babazadeh, "Application of Horizontal and Vertical Transition Curves in Road Geometric Design", Journal of Transportation Research, Vol. 5, No.61, 2008. (9-a- 51)
- ✓ Mahmoud Saffarzadeh, & Shahin Shabani, "An Accident Forecasting Model for Horizontal Curves in Intercity Roads", Journal of Transportation Research, Vol. 4 No.3, 2007. (9-a- 50)
- ✓ Mahmoud Saffarzadeh, & Hadi Ganji, "Using Bayesian Theory to Determine Risk in Homogenous Road Sections", Journal of Transportation Research, Vol. 4 No. 4, 2007. (9-a- 49)
- ✓ Mahmoud Saffarzadeh, & Babak Mirbaha, "Development of Operational Process of ITS in Traffic Management of Roads, Journal of Road, No. 60, 2007. (9-a- 48)
- ✓ Mahmoud Saffarzadeh, & Mohammad Erfani," An Economic Evaluation Model to Evaluate Urban Intelligent Transportation Systems, Journal of Road, No. 59, 2008. (9-a- 47)
- ✓ M. Saffarzadeh, S.M. Dibaj, "Evaluation Aviation Accident and Offering Proper Solution", Road Journal, No. 58, Tehran/Iran, summer 2007. (9-a- 46)
- ✓ M.Saffarzadeh et. al, "A Mathematical Model for Measuring Fuel Productivity in Land Transportation", Quarterly Economic Researches, Summer 2007. (9-a- 45)

- ✓ M.Saffarzadeh, V. Abolhassan nejhada, "Development of Cause-Oriented Prioritization Model to Identify Hazardous Road Segment for Pedestrians", Tehran Engineering Research Journal, (Accepted), Tehran, Iran, 2006. (9-a- 44)
- ✓ Mahmoud Saffarzadeh, V. Abolhassan nejhada,"Modification of Road Accident Report Form in Iran Based on Importance of Accident Causes", Road Journal, No. 57, Tehran/Iran, spring 2007. (9-a- 43)
- ✓ M. Saffarzadeh, B. Mirbaha, "Presenting a Regional ITS Architected Pattern", Transportation Research Journal, winter 2007. (9-a- 42)
- ✓ M. Saffarzadeh, V. Abolhassan Nezhad, "Presenting a Pattern for Planning and Implementing Ways and Means of Traffic Calming", Traffic Management Journal, 1st Year, No. 3, Tehran/Iran, Winter 2007. (9-a- 41)
- ✓ M. Saffarzadeh et. al., "Techno-Economical Comparison of Surface Asphalt and Hot Asphalt Concrete in Minor and Rural Roads", Road Journal, No. 56, Tehran/Iran, winter 2007. (9-a- 40)
- ✓ M. Saffarzadeh & A. Abdi, "Analysis of Effective Factors in the Capacity of Airport Flight Operations Field with Emphasis on Runways", Road Journal, No. 56, Tehran/Iran, Winter 2007. (9-a- 39)
- ✓ M. Saffarzadeh & M. Erfaani, "Presenting a Pattern for Analyzing the Benefits of Urban ITSs", Traffic Innovation Journal, 8th Year, No. 30, Tehran/Iran, autumn 2006. (9-a- 38)
- ✓ Mahmoud Saffarzadeh, Maghsood Poryari, "Developing a Safety Indent for Intercity Rural Roads" Modares Engineering Research Journal, Tehran, Iran, 2006. (9-a- 37)
- ✓ A. kavoosi, M. Saffarzadeh & M. Esmalee, "Individual Study Using Pavement Design "Pave Mode Design" Software", Road. Journal, No. 55, Tehran/Iran, autumn 2006. (9-a- 36)
- ✓ M. Saffarzadeh, et. Al., "Development of a Pavement Management Model At the Project Level by Analytical Hierarchy Process (AHP).", Transportation Research Journal, summer 2006. (9-a- 35)
- ✓ M. Saffarzadeh & M. Zahedi, "Dynamic Planning for the Bus System Schedules", Road. Journal. No. 54, Tehran/Iran, Summer 2006. (9-a- 34)
- ✓ M. Saffarzadeh & Sh. Norooni, "Methodology for Using ITS (Intelligent Transportation System) in Urban Transportation Studies", Raahvar Scientific Journal, No. 13, 3rd Year, Tehran/Iran, Sep. 2006. (9-a- 33)
- ✓ M. Saffarzadeh & M. Asad Amraji, "Evaluation of Road & Traffic Parameters on Mountainous Roads Landside Events", Transportation Research Journal, 3rd year, No. 4. Winter 2007. (9-a- 32)
- ✓ M. Saffarzadeh & A. M. Broojerdian, "Optimum Route Location Consideration Trip Generation Centers and Protected Zone", Iranian Journal of Science & Technology Transaction B, (Accepted), Shiraz University, Shiraz 2007. (9-a- 31)
- ✓ Mahmoud Saffarzadeh, et. Al., "An Optimum Corridor Location for Roads and Railways "Tehran University Research Journal, Tehran, Iran, 2006. (9-a- 30)
- ✓ Mahmoud Saffarzadeh, Mehran Ghorbani, "An Intercity Air Transportation Demand Model" Modares Engineering Research Journal, Tehran, Iran, 2006. (9-a- 29)

- ✓ Mahmoud Saffarzadeh, Ali Malakzadeh, "An Application of Cost-Benefit Analysis in Selection of a Public Transportation System for an Urban Corridor" Economic Research Journal, (Accepted), Tehran, Iran, 2006. (9-a- 28)
- ✓ Mahmoud Saffarzadeh et. Al., " Determination of initial Land Transport Corridor Based on Construction on Mandatory and Prohibited Points"
- ✓ Mahmoud Saffarzadeh, Hiva Julideh, "An Airport Site Selection Model Based on Permutation Methods" Transportation Engineering Research Journal, Vol.2, No.3, autumn 2005. (9-a- 27)
- ✓ Mahmoud Saffarzadeh, Mohamed Ramezani, "Development of a Strategic Model for Air Transportation Satellite Navigation System" Journal of Roads, No. 53, August. 2005. (9-a- 26)
- ✓ Mahmoud Saffarzadeh, Samad Afkar, "A Techno-Economic Model for Selection of High Speed Intercity Rail Transportation", Transportation Research Journal, Vol.2, No.2, summer. 2005. (9-a- 25)
- ✓ Mahmoud Saffarzadeh, Amir Fakhro, "Development of a Techno- Economical Model for Construction of Freeways & Highways", Transportation Engineering Research Journal, Vol.1, No.2, spring. 2005. (9-a- 24)
- ✓ Mahmoud Saffarzadeh, Mohsen Negahban, "Location of Weigh in Motion Systems in Tehran-Karaj Freeway", Journal of Roads No. 52, winter. 2004. (9-a- 23)
- ✓ Mahmoud Saffarzadeh, Behrouz Karbasi, "Optimum Models for Bridge Repair and Maintenance Operations Using Dynamic Programming", Transportation Research Journal, Vol 1, No.1, Fall 2004. (9-a- 22)
- ✓ Mahmoud Saffarzadeh, et. al., "Analysis of Management and Control Techniques to Improve Ground Transportation Safety", Law Enforcement Quarterly, Number 2, Oct, 2004. (9-a- 21)
- ✓ Mahmoud Saffarzadeh, et. al, "Social Acceptance of Transportation Infrastructure Projects", Journal of Roads, Number 50, March 2004. (9-a- 20)
- ✓ Mahmoud Saffarzadeh, Mohsen Zahedi, "Selection and Design of Highway Pedestrian Crossing in Urban and Rural Areas", Journal of Roads, Number 51, Dec. 2004. (9-a- 19)
- ✓ Mahmoud Saffarzadeh, Reza Elyasi, "A Road Repair and Maintenance Model Based on Analytical Hierarchical Process", Engineering Journal of Modares, No. 15, spring. 2004. (9-a- 18)
- ✓ Mahmoud Saffarzadeh, Ali Ghaemi, "Development of a Computerized Model for Design of Airport Obstacle Free Areas", Research Journal of Mashhad University, Volume 15, No, 2, 2003. (9-a- 17)
- ✓ Mahmoud Saffarzadeh, Maziar, Razmavar, "A Prioritized Model for Development and Maintenance of Highways Using HDM4", Journal of Roads, Number 49, Dec. 2003. (9-a- 16)
- ✓ Mahmoud Saffarzadeh, Ali Abedian, "A Prioritization Model for Design & Construction of Roads in International Corridors", Journal of Road, No. 48, Summer 2003. (9-a- 15)
- ✓ Mahmoud Saffarzadeh, Reza Ahadi, "Analytical Study of Probable Peak Vehicle Load on Rigid Pavement", Journal of Road, Number 46, December 2002. (9-a- 14)

- ✓ Mahmoud Saffarzadeh, Farzad Rahimi, "Empirical Analysis of Noise Pollution Related to Transportation Systems", Journal of Nivar, Number 45, June 2002. (9-a-13)
- ✓ Mahmoud Saffarzadeh, Sohila Moradi, "Environmental Impact Assessment Methods of Transportation Infrastructure Projects", Journal of Road, Number 45, July 2002. (9-a-12)
- ✓ Mahmoud Saffarzadeh, Hamid Bahramian, "An Optimum Budget Distribution Model for Roads Repair and Maintenance", Journal of Roads, No. 46, winter, 2002. (9-a-11)
- ✓ Mahmoud Saffarzadeh, and G. Masoumi, "An Optimum Computerized Model for Design of Airport Aprons", Engineering Journal of Esteghlal, Volume 20, No.2, Isfahan, 2002. (9-a-10)
- ✓ Mahmoud Saffarzadeh, "Perspectives of North-South Transport Corridor for the Development of Asia-Europe Trade", Technical Bulletin of Railways, No. 3, Vol. 2, 2001. (9-a-9)
- ✓ Mahmoud Saffarzadeh, M. Hossienmardi, "An Optimum Model for Intercity Public Passenger Transportation", Journal of Road, No 43, Dec., 2000. (9-a-8)
- ✓ Mahmoud Saffarzadeh, and Javad Hedayati, "Transport Infrastructure Development in Iran", Journal of Road, Vol. 42, March 2000. (9-a-6)
- ✓ Mahmoud Saffarzadeh, and Javad Hedayati, "The Role of Iran Transportation Infrastructure in Development of International Trade Market" Journal of Road, Vol. 42, March 2000. (9-a-7)
- ✓ Mahmoud Saffarzadeh, and Javad Hedayati, "Potentials and Constraints of Transportation of Goods through Iran", Journal of Road, Vol. No. 41, Iran, 1999. (9-a-5)
- ✓ Mahmoud Saffarzadeh, Mohsen Zahedi, "Performance Assessment of Recycled Asphalt in Iran", Journal of Amir Kabir, Vol. No.41, 1999. (9-a-4)
- ✓ Mahmoud Saffarzadeh, and Mehdi Mokhber, "A Priority Model for Site Selection of off-Road Service Facilities", Journal of Road No.39, Iran, 1998. (9-a-3)
- ✓ Mahmoud Saffarzadeh, Farzad Rahimi, "The Effect of Weather Conditions on the Road Noise Prediction Model", Journal of Environment, University of Tehran, Vol. No. 21 1999. (9-a-2)
- ✓ Mahmoud Saffarzadeh, "Multimodal Terminals: An Effective Factor to Increase Productivity", Journal of Transportation Industry, No. 154, Iran, 1996. (9-a-1)

B- International Papers

- ✓ Mahmoud Saffarzadeh, Akram Mazaheri, Majid Zabihi Tari, Seyedehsan Seyedabrishami, "Analysis of Iranian passengers' behavior in choosing type of carrier international air travel to East Asia" Journal of Air Transport Management, Article in Press, 2016, (9-b-43)
- ✓ Amirali Zarrinmehr, Mahmoud Saffarzadeh, Seyedehsan Seyedabrishami, Yu Marco Nie, "A path-based greedy algorithm for multi-objective transit routes design with elastic demand" Public Transport, Vol. 8, No. 2, 2016, pp. 261–293, (9-b-42)

- ✓ Amirali Zarrinmehr, Mahmoud Saffarzadeh, Seyedehsan Seyedabrishami, “A local search Algorithm for finding optimal transit routes configuration with elastic demand” *International Transactions in Operational Research*, 2016, (9-b-41)
- ✓ Mohammad Reza Elyasia, Mahmoud Saffarzadeh, Amin Mirza Boroujerdiana, “A Novel Dynamic Segmentation Model for Identification and Prioritization of Black Spots Based on the Pattern of Potential for Safety Improvement” *Transportation Research Part A: Policy and Practice*, Vol. 91, 2016, pp. 346–357, (9-b-40)
- ✓ Mohammad Reza Elyasi, Mahmoud Saffarzadeh, Amin Mirza Boroujerdian, “A PLS/SEM Approach Risk Factor Analysis in Road Accidents Caused by Carelessness” *International Journal of Engineering & Advanced Technology (IJEAT)*, Vol.5, No.6, 2016, pp. 85-93, (9-b-39)
- ✓ Babak Mirbaha, Mahmoud Saffarzadeh, “Investigation on the effects of congestion pricing on increasing public transport share” *International Journal of Transportation Engineering (IJTT)*, Vol. 4, No.1, pp. 41-52, 2016, (9-b-38)
- ✓ Mahmoud Saffarzadeh et al., “Application of the route expansion algorithm for transit route design in grid networks”, In press, 2016, (9-b-37)
- ✓ Mohamad Tamannaeei, Mahmoud Saffarzadeh, Amin Jamili, Seyed Ehsan Seyed Abrishami, “A Novel train rescheduling approach in Double track railways: Optimization model and solution method based on simulated annealing algorithm”, *International Journal of Civil Engineering, IJCE*, Vol. 14, No. 3, 2016, (9-b-36)
- ✓ Mohamad Tamannaeei, Mahmoud Saffarzadeh, Amin Jamili, Seyed Ehsan Seyed Abrishami, “Simultaneous Train Rescheduling through Cancelling Delaying and Re-ordering policies: The two-phase solution Method with Guaranteed optimality” *International Journal of science and technology*, (9-b-30)
- ✓ Ali Abdi, Mahmoud Saffarzadeh, Arsalan Salehikalam, “Identifying and Analyzing Stop and Go Traffic based on Asymmetric Theory of Driving Behavior in Acceleration and Deceleration” *International Journal of Transportation Engineering (IJTE)*, Vol.3, No.4 2016, (9-b-35)
- ✓ Arash Sadrayi, Mahmoud Saffarzadeh, Amin Mirza Boroujerdian, “An Assessment of the Impact of Pedestrian Refuge Islands on Vehicle Speed Changes and Pedestrian Safety: Case Study in Tehran” *International Journal of Transportation Engineering (IJTE)*, Vol.3, No.4 Spring 2016, (9-b-34)
- ✓ Mahmoud Saffarzadeh, Ehsan Jahanmard, “A model revised: Non-level routing in the network of urban pathways from an economic perspective (Case study: Mashhad city pathway)” *Scientific Journal of Traffic and Transportation Research*, Article in press, 2016, (9-b-33)
- ✓ Mahmoud Saffarzadeh, Ehsan Jahanmard, “Non-level routing in the network of urban pathways: Trip time, latency and density of the network of urban

- pathways (Case study: Mashhad city pathway)", Journal of Civil Engineering, Article in press, 2016, (9-b-32)
- ✓ Mohammad Reza Elyasia, Mahmoud Saffarzadeh, Amin Mirza Boroujerdiana, Mohammadsina Semnarshad, Mehdi Mazaheri "Prioritization of suburban accident factor based on analytical network process" International Journal of Transportation Engineering (IJTE), Article in press, 2016, (10-b-31)
 - ✓ Amir Reza Mamdoohi; Mahmoud Saffarzadeh; Siavash Shojaat, "Capacity Drop Estimation Based on Stochastic Approach Applied to Tehran-Karaj Freeway" Volume 2, Issue 4, Spring 2015, (9-b-30)
 - ✓ Mahmoud Saffarzadeh et al., "Model to prioritize pathways to insert on the guid signs (Case study: Vali-e-Asr Expressway, Sari)" Journal of Transportation Research (JADDEH), No 78, 2014. (9-b-29)
 - ✓ Amin mirza boroujerdian, Mahmoud Saffarzadeh, Hassan Yousefi, "A Model to identify high crash road segment with the dynamic segmentation method" Accident Analysis & Prevention, Vol. 73, 2014, pp. 274–287, (9-b-28)
 - ✓ Seyedmirsajad Mokhtari mousavi, Hossein Rahami, Mahmoud Saffarzadeh, Saeed Piri, "Determination of the Aircraft Landing Sequence by Two Meta-Heuristic Algorithms, International Journal of Transportation Engineering (IJTE), Vol.1, No.4 Spring 2014, (9-b-27)
 - ✓ Mahmoud Saffarzadeh, Babak Mirbaha, "Evaluating the willingness to pay for urban congestion price zones (case study Tehran)", International Journal of Transportation Engineering (IJTE), Vol.1, No.3, Winter 2014, pp. 199-210 (9-b-26)
 - ✓ Mahmoud Saffarzadeh, et. al., "Stochastic Planning Approach in Airport Passenger Terminals" Journal of Traffic & logistic Engineering, No.1, Vol.165, March 2013. (9-b-25)
 - ✓ Mahmoud Saffarzadeh, et. al., "A general formulation for time- to- collision safety indicator" Journal of institution of civil Engineering, No., 1, Vol., 1, March 2012. (9-b-24)
 - ✓ Mahmoud Saffarzadeh, et. al., "Modeling Air Passengers' Ground Access Mode Choice a Case Study of IKIA, International Journal of Modeling & Optimization, Vol. 2, No. 2, April 2012. (9-b-23)
 - ✓ Mahmoud Saffarzadeh, Babak Mirbaha, "A Model for Schoolchildren Accidents in the Vicinity of Rural Roads based on Geometric Design & Traffic Conditions" International Journal of Transportation, Vol. 1, No. 1, Winter 2013. (9-b-22)
 - ✓ Mahmoud Saffarzadeh, Navid Nadimi, "A Generalized Formulation for Time-To-Collision Safety Index, Journal of Transport, No, Tran- D-11-00031R2, Feb. 2012. (9-b-21)
 - ✓ Mahmoud Saffarzadeh, et. al., "An Analysis of Pedestrian Fatal Accident Severity Using a Binary Logistic Regression Model", Institute of Transportation Engineers, ITE Journal, PP. 38-43, April 2012. (9-b-20)

- ✓ Mahmoud Saffarzadeh, et. al., "Policy Making Tool for Optimization of Transit Priority Lanes in Urban Areas", Journal of Transport Research Record TRR, Volume 2197, pp 54-62, Feb. 2011. (9-b- 19)
- ✓ Mahmoud Saffarzadeh, A. M. Broujerdian., "Developing a Model for prioritizing High Crash Road Segments", Journal of Transport, Volume 163, Issue TR1, Feb. 2010. (9-b- 18)
- ✓ Mahmoud Saffarzadeh, et. al.," A new approach in Airport Capacity Enhancement Based on Integrated Runway Assignment and Operation Planning Model", Journal of Applied Science, 2008. (9-b- 17)
- ✓ Mahmoud saffarzadeh, Ali Heidarpanah, "Effect of Asphalt Content on Marshall Stability of Asphalt Concrete Using Artificial Neural Networks", Iranica Scientia, Vol.16, No. 1, pp 80-105 ,2009. (9-b- 16)
- ✓ Mahmoud Saffarzadeh, A. M. Broujerdian, "Optimum Route Location Model Consideration the Trip Generation Centers and Protected Zones", Iranian Journal of Science and Technology, Transportation B, Engineering, Vol. 31, No. B1, 2007. (9-b- 15)
- ✓ Mahmoud Saffarzadeh, Shahram Farshad," Repair & Maintenance Models for Highway Traffic Control Devices", Iranian Journal of Science and Technology, Vol.29, No. B3, 2005. (9-b- 14)
- ✓ Mahmoud Saffarzadeh, Maghsoud Pooryari, "Accident Prediction Model Based on Traffic and Geometric Design Characteristics" International Journal of Civil Engineering, Vol.3, No. 2, June. 2005. (9-b- 13)
- ✓ Mahmoud Saffarzadeh, Behrouz Karbasizadeh," Development of Optimal Models for Bridge Management System", Iranian Journal of Civil Engineering, Vol. 2, No. 1, March 2004. (9-b- 12)
- ✓ Mahmoud Saffarzadeh, Bagher Asadi," Land Use-Noise Pollution Compatibility Model for Mehrabad International Airport", Iranian Journal of Civil Engineering, Vol. 2, No. 2, June 2004. (9-b- 11)
- ✓ Mahmoud Saffarzadeh, Hamid Bahramian," Developing an Optimum Income Creating Model for Profit Making of Air Transportation System", International Journal of Civil Eng., Vol. 2, No. 2, 2004. (9-b- 10)
- ✓ Mahmoud Saffarzadeh, and G. Masoumi" An Optimum Analysis and Design for Airport Aprons", Iranian Journal of Science and Technology, Volume 28, No. B0 Shiraz University, October, 2004. (9-b- 9)
- ✓ Mahmoud Saffarzadeh, and J.P. Braaksma, "Optimum Design and Operation of Airport Passenger Terminal Buildings," Transportation Research Record No. 1703, Transportation Research Board, Washington, D.C., Jan. 2000. (9-b- 8)
- ✓ Mahmoud Saffarzadeh," Transport Infrastructure Development in Iran", Journal of Roads, IRDO, Vol., 42, Aug. 2000. (9-b- 7)
- ✓ Mahmoud Saffarzadeh, "An Optimum Resource Allocation Model for Airport Passenger Terminals" International Journal of Engineering, Vol.12, No.3, Aug. 1999. (9-b- 6)
- ✓ Mahmoud Saffarzadeh, "An Interactive Simulation Model for Airport Terminal Operation", International Journal of Science, Vol.9, No.1, Tehran, Iran, 1998. (9-b- 5)

- ✓ Mahmoud Saffarzadeh, and John P. Braaksma, “An Optimum Resource Utilization Model for Airport Passenger Terminal Buildings”, Transportation Research Record, No.1506, Transportation Research Board, Washington, D.C.1995. (9-b- 4)
- ✓ Mahmoud Saffarzadeh, and John P. Braaksma, “Optimum Design of Airport Enplaning Curbside Areas”, Journal of Transportation Engineering, ASCE, TE1, Vol. No.102, N.Y., 1992. (9-b- 3)
- ✓ Mahmoud Saffarzadeh, and John P. Braaksma, “Dynamic Capacity of Airport Enplaning Curbside Areas”, Transportation Research Record, No. 1373, Transportation Research Board, D.C. 1992. (9-b-2)
- ✓ Mahmoud Saffarzadeh, and M.R. Soleymani kermani, "Petrographic assessment of re-textured road surface aggregates". (9-b- 1)

X. CONFERENCE PAPERS:

- ✓ Said Sharafatipour, Mahmoud Saffarzadeh, “Prediction of harbor attraction regarding domestic and international trading using linear modeling”, 18th congress on marine industry, 2016.
- ✓ Ehsan Jahanmard, Mahmoud Saffarzadeh, Mojtaba Ramenzanpour, Ahmad Chali, “Providing a routing problem for grade-separated crossing in urban networks: travel time, delay time, density at urban streets (Mashhad Case Study)” 15th International Conference on traffic and Transportation Engineering, 2016.
- ✓ Saied Hessami, Mahmoud Saffarzadeh, Mohammad Eteghaei, “Considering the effects of alternative letters in the capability of drivers to read them” 15th International Conference on traffic and Transportation Engineering, 2016.
- ✓ Shahriar Afandizadeh, Mahmoud Saffarzadeh, Hossein Mohammadi Gharaghi, “Decision algorithm about conversion of roundabouts to signalized intersection and signalized intersection to roundabouts” 15th International Conference on traffic and Transportation Engineering, 2016.
- ✓ Mohammadreza Elyasi, Amin Mirza Boroujerdian, Mahmoud Saffaezadeh, Hessam Jannati, Mehdi Mazaheri, “Providing a model to evaluate the risk of accidents at high crash segments and their comparison with crash index (Hamedan-Malayer Case Study)” 15th International Conference on traffic and Transportation Engineering, 2016.
- ✓ Mohammad Tamanai, mahmoud Saffazradeh “Delay management at railway time schedule after the occurrence of an accident: mathematical development and accurate methodology” 15th International Conference on traffic and Transportation Engineering, 2016.
- ✓ Mina Mahmoudi, Mahmoud Saffarzadeh, masoud Tayebi, Shahriar Basirat “Validation of a sample of dynamic test on local driver’s danger perception (Tehran Case Study) 15th International Conference on traffic and Transportation Engineering, 2016.
- ✓ Morteza Asad Amraji, Mahmoud Saffarzadeh, Amin Mirza Boroujerdian, Sina Sheikholeslami “Prioritization of Iran motorists training classes to apply

- motorcycle simulator” 15th International Conference on traffic and Transportation Engineering, 2016.
- ✓ Morteza Asad Amraji, Amir Rasouli, Mahmoud Saffarzadeh, Naghme Rasouli “Sensitivity analysis on children on pedestrian related dangerous” 15th International Conference on traffic and Transportation Engineering, 2016.
 - ✓ Mahmoud Saffazradeh, Seyed Ehsan Seyed Abrishami, Mohsen Sepeher, “Elasticity analysis of Tehran bus rapid transit demand by variation in payment structure” 15th International Conference on traffic and Transportation Engineering, 2016.
 - ✓ Mina Mahmoudi, Mahmoud Saffarzadeh, Masoud Tabibi, “Evaluating the effectiveness of making young drivers sensitive to situations with potential traffic risk based on driving risk perception test, 4th International Conference on driving and Road Accidents, Tehran, 2015, (10-a-128)
 - ✓ Shahab Hasanpour, Mahmoud Saffarzadeh, Seyed Ramtin Bagheri, “Prioritizing the environmental and social factors in rural road construction”, The first National Conference on Rural Transportation, 2015, (10-a-127)
 - ✓ Mohammadreza Elyasi, Mahmoud Saffaezadeh, Amin Mirza Boroujerdian, “Traffic stream management using pavement marking”, The Second Conference on Civil Engineering, Malayer University, 2015.
 - ✓ Mohammadreza Elyasi, Mahmoud Saffaezadeh, Amin Mirza Boroujerdian, “Considering the roadway traffic accident modeling procedure”, The Second Conference on Civil Engineering, Malayer University, 2015.
 - ✓ Mohammadreza Elyasi, Mahmoud Saffaezadeh, Amin Mirza Boroujerdian, “Providing a model of accident prone-segments based on AHP, Case study- Hamedan”, The 14th International Conference on driving and roadway Accidents, Tehrean University, 2015.
 - ✓ Mohammadreza Elyasi, Mahmoud Saffaezadeh, Amin Mirza Boroujerdian, Mehdi Mazaheri, “Providing a model of speed control camera location using AHP, Case study- Hamedan” The 14th International Conference on Traffic and Transportation ENgineering, Tehrean, 2014.
 - ✓ Mohammadreza Elyasi, Mahmoud Saffaezadeh, Amin Mirza Boroujerdian, “Weight in Motion locating using Geographic Information System, Case study- Hamedan”, The First Iran ITS Congress, Tehran, 2014.
 - ✓ Mohammadreza Elyasi, Mahmoud Saffarzadeh, “Analysis of roadway crashes”, The 15th Conference of Iran Civil Engineer Students, Urumiyeh University, 2014.
 - ✓ Mohammadreza Elyasi, Mahmoud Saffarzadeh, “Prioritization of Hamedan primary road network using GIS”, The Third National Conference of Roadway accidents, Zanjan, 2014.
 - ✓ Mahmoud Saffarzadeh, Arash Sadrai, Aminmirza Boroujerdian, “Evaluation of Tehran pedestrian island by considering pedestrian safety” 14th International Conference on Traffic and Transportation Engineering, Tehran, 2014 (10-a-126)
 - ✓ Mahmoud Saffazradeh, Morteza Asadamraji, Aminmirza Boroujerdian, Mostafa Eslami, “Comparative evaluation of driver simulator and risk perception test based on digital photos to educate drivers in Iran”, 14th International Conference on Traffic and Transportation Engineering, Tehran, 2014 (10-a-125)

- ✓ Mahmoud Saffarzadeh, Mojtaba Ramezanpour Ahmadchali, Ehsan Jahanmard, Morteza Jahanshahi, Ashkan Elaheyari Nik, “ Providing the appropriate methodology to construct pedestrian crossover in urban streets based on sustainable development approach” 14th International Conference on Traffic and Transportation Engineering, Tehran, 2014 (10-a-124)
- ✓ Mahmoud Saffarzadeh, Donya Baghaei Asadabadi, Ehsan Zamanian, “Providing urban streets prioritizing model leading to traffic calming schemes (case study: Tehran Municipality, Zone 4), 14th International Conference on Traffic and Transportation Engineering, Tehran, 2014 (10-a-123)
- ✓ Mahmoud Saffarzadeh, Saied Hesami, Mohammad Etghaei, Farshidreza Haghighi, “Providing streets` prioritizing model used on traffic direction signs (case study:Valiasr highway, Sari) 14th International Conference on Traffic and Transportation Engineering, Tehran, 2014 (10-a-122)
- ✓ Mahmoud Saffarzadeh, Sayaede Fateme Mousavi, Amir Ali Zarinmehr, Sayed Ehsan Sayedabrishami, “ The importance of transportation forecasting on changes occurred in urban development schemes”, the First International on New Horizons in Architecture and planning with approach of Islam and Persia 2014 (10-a-121)
- ✓ Mahmoud Saffarzadeh et al., “Considering the impact of accuracy of highway accidents data on choosing and prioritizing modifying provisions” The 3rd national Conference on Roadway, Railway and Arial Accidents, Zanjan, 2014, (10-a-120)
- ✓ Mahmoud Saffarzadeh et al., “Providing the optimization strategy of organizing and tackling points and sections of high risk”, The 3rd national Conference on Roadway, Railway and Arial Accidents, Zanjan, 2014, (10-a-119)
- ✓ Mahmoud Saffarzadeh et al., “The design of prioritizing of points with high risk of accident using linear analysis and classic statistic methods to overcome vehicle wheel burst”, The 3rd national Conference on Roadway, Railway and Arial Accidents, Zanjan, 2014, (10-a-118)
- ✓ Sayed Ramtin Bagheri, Mahmoid Saffarzadeh, “The effects of birds crash with airplanes in aerial accidents and sfety” The 3rd national Conference on Roadway, Railway and Arial Accidents, Zanjan, 2014, (10-a-117)
- ✓ Moein Asgari, AMhmoud Saffarzadeh, “Considering the application of intelligent transportation to provide safe pedestrian area”, the 15th Conference of Civil Engineering students in Iran, Ouroumiye University, 2014, (10-a-116)
- ✓ Mahmoud Saffarzadeh, Seyed Ramtin Bagheri, Mojtaba KAzemi, “Considering and offering a number of solutions to increase safety and decrease accidents”, The fifth National Congress on Traffi9c Management, 2013, (10-a-115)
- ✓ Mahmoud Saffarzadeh, Seyed Mohammad Seyed Hoseini. Hima Saki, Mohammadreza Tavakol, “Evaluating the effects of U-Turns as an alternative for direct left turn movement”, The Seventh National Congress on Civil Engineering. 2012, (10-a-114)
- ✓ Ashakn Elahe Yari Nek, Azin Sadeghi DEzfouli, Mahmoud Saffarzadeh, Ehsan Jahanmard, “Evaluation of the quality of provisions offered by airplane companies with approach of Combination-Fuzzy” 13th International Conference on Traffic and Transportation Engineering, 2014, (10-a-114)

- ✓ A. Baghestani, A. Mahpour, B. Mirbah, M. Saffarzadeh., “Analyzing the Profit to Grade-Separated Crossing Construction Cost in Congested Urban Network”. 13th International Conference on Traffic and Transportation Engineering, Tehran, Iran, 2014. (10-a-110)
- ✓ M. Saffarzadeh, M. Zangoui Dovom, H. Zangui Dovom., “Considering the Risk of Two wheeler (motorcycle) accident in Mashahd”. 13th International Conference on Traffic and Transportation Engineering, Tehran, Iran, 2014. (109-a-10)
- ✓ M. Saaffarzadeh et al., “Health Care Centers optimal locating analysis in Disaster Relief by UHB location allocating issue and solving by Genetic Algorithm”. 13th International Conference on Traffic and Transportation Engineering, Tehran, Iran. 2014. (10-a108)
- ✓ A. Taghi zadeh, Gh. Shafabakhsh, M. Saffarzadeh, “Choosing the Efficient Public Transportation System to Provide Accessibility for Grogan International Airport Using Fuzzy Hierarchical Analysis Method”. 13th International Conference on Traffic and Transportation Engineering, Tehran, Iran. 2014. (10-a107)
- ✓ M. Saaffarzadeh et al., “Optimizing the Air Traffic Flow by Consideration of Disruption Risk”. 13th International Conference on Traffic and Transportation Engineering, Tehran, Iran. 2014. (10-a106)
- ✓ M. Saaffarzadeh et al., “Promoting the Roads Safety Management Using Spatial Econometrics (Zanjan- Qazvin Freeway Case Study). 13th International Conference on Traffic and Transportation Engineering, Tehran, Iran. 2014. (10-a105)
- ✓ M. Saffarzadeh et al., “Evaluation of the roundabout and signalized intersection capacity”. 13th International Conference on Traffic and Transportation Engineering, Tehran, Iran, 2014. (10-a-104)
- ✓ M. Saffarzadeh, M. Semnarshadh, “Considering the capacity drop phenomenon on freeways”. 13th International Conference on Traffic and Transportation Engineering, Tehran, Iran, 2014.
- ✓ M. Saffarzadeh et al., “Providing management strategies to improve Mehr Abad current situation by results obtained from NEF software”. 13th International Conference on Traffic and Transportation Engineering, Tehran, Iran, 2014.
- ✓ A. Elahe Yari, M. Saffarzade, A. Jahanmard, “Using linear analysis method based on GIS to prevent traffic accidents (Mashhad Street network Case Study). 13th International Conference on Traffic and Transportation Engineering, Tehran, Iran, 2014.
- ✓ M. Saffarzadeh et al., “The Superiority of Roundabout over Signalized Intersection in Low to Medium Traffic Volume”. National Conference on Practical Civil Engineering and the Latest Achievements, Karaj, 2014. (10-a-102)
- ✓ M. Saffarzadeh, S. Maleki Sadeghi, “Providing a Model to Optimize Choosing Pattern of Modifying Measurement and resources consuming”. International Conference on Civil Engineering, Architecture and Urban Sustainable Development, Islamic Azad University, Tabriz Branch, 2013. (10-a-103)

- ✓ M. Saffarzadeh et al., "Considering the Requirements for Modern Roundabout design and Evaluating the Possibility of Modifying the Existing Runabouts' Geometric Design". National Conference on Practical Civil Engineering and the Latest Achievements, Karaj, 2014. (10-a-102)
- ✓ Mahmoud Saffarzadeh, et. al., "Analysis of effective parameters on Rural roads accident", The Third international conference on Traffic Accident, Shiraz, February 2013. (10-a-100)
- ✓ Mahmoud Saffarzadeh, and Said Sayad, "A model for departing time selection of non-work users in Urban Areas", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-99)
- ✓ Mahmoud Saffarzadeh, et. al., " Movement modelling in U-turns by using NaSch", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-98)
- ✓ Mahmoud Saffarzadeh, et. al., " Investigation of Appropriate methods to increase the capacity of railway bottlenecks", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-97)
- ✓ Mahmoud Saffarzadeh, et. al., " An integrated land-use airpollution, and transportation demand for assessment of urban development projects", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-96)
- ✓ Mahmoud Saffarzadeh, and Amir Zarinmehr, " A Discrete Scheduling of Fleet shipment to intermediate bus stations by Branch and Bound algorithm", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-95)
- ✓ Mahmoud Saffarzadeh, et. al., " A Weighting Model for selection of effective parameters to choose an appropriate access system to Sari Airport usinf Fuzzy decision process", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-94)
- ✓ Mahmoud Saffarzadeh, et. al., "An analysis of Drivers route change using vVariable Message Signs in Tehran Highways", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-93)
- ✓ Mahmoud Saffarzadeh, et. al., "Estimation of fatalities in Iran and their national cost", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-92)
- ✓ Mahmoud Saffarzadeh, et. al., "Design of Bus Network to maximize consumer Satisfaction", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-91)
- ✓ Mahmoud Saffarzadeh, et. al., "Solving a multi-objective aircraft landing to minimize time and cost by a hierarchical model", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-90)
- ✓ Mahmoud Saffarzadeh, et. al., "Design of a Complete Street towards a regional sustainable development: Case study, Iran-zamin street", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-89)
- ✓ Mahmoud Saffarzadeh, et. al., "Development of a model to evaluate Speed control Cameras in intercity roads: case study Semnan Road", The Twelfth

- International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-88)
- ✓ Mahmoud Saffarzadeh, et. al., "Feasibility study of implementing a Complete Street towards a regional sustainable development: Case study, Iran-zamin Street", The Twelfth International Transportation and Traffic Conference, Tehran Feb. 2013. (10-a-87)
 - ✓ Mahmoud Saffarzadeh, and Said Sayad, "Development of a model to select an appropriate departing time for work trips", Transportation Infrastructures Conference, IUST, Tehran, January 2013. (10-a-86)
 - ✓
 - ✓ Mahmoud Saffarzadeh, and Bahareh Naderi, "Development of a Forecasting Model for Traffic Accident in Two-lane InterCity Roads", The Ninth Civil Engineering Congress, Isfahan University, Iran May, 2012. (10-a-85)
 - ✓ Mahmoud Saffarzadeh, et. al., "Analysis of Metro Operation on the Share of Public Transportation to Access Mehrabad and IKIA Airports", the 11th International Transportation and Traffic Conference, , Tehran, Iran, March 2011 . (10-a-84)
 - ✓ Mahmoud Saffarzadeh, and Kaveh Kohansal, "Sensitivity Analysis of the Parameters of a Decision Support System of Airport Gates; Case Study Mahrabad Airport", the 11th International Transportation and Traffic Conference, Tehran, Iran, March 2011. (10-a-83)
 - ✓ Mahmoud Saffarzadeh, et. al., "Development of an Algorithm Among Terminal and its Subsystems to use ITS in Road Infrastructures", the 11th International Transportation and Traffic Conference, Tehran, Iran, March 2011 . (10-a-82)
 - ✓ Mahmoud Saffarzadeh, et. al., "Design of a Decision Support System for Optimum Assignment of Gates to Airport Flights", the 11th International Transportation and Traffic Conference, Tehran, Iran, March 2011. (10-a-81)
 - ✓ Mahmoud Saffarzadeh, and Bahareh Naderi, "Development of an Accident Prone Sections of Two-lane Two way Roads", the 11th International Transportation and Traffic Conference, Tehran, Iran, March 2011 . (10-a-80)
 - ✓ Mahmoud Saffarzadeh, and Maryam Nakhaee, "An On-street Parking Pricing Model to Promote Construction of Parking Garages", the 11th International Transportation and Traffic Conference, Tehran, Iran, March 2011. (10-a-79)
 - ✓ Mahmoud saffarzadeh and Mohhamad Torabi, "A Prioritization Model fpr Low Cost Operations in Rural rods, Case Study: Sarakhs-Mashad", the 11th International Transportation and Traffic Conference, Tehran, Iran, March 2011. (10-a-78)
 - ✓ Mahmoud Saffarzadeh, et. al., "Potential and Constraints of Road Pricing Strategies inTehran Road Network", the 11th International Transportation and Traffic Conference, Tehran, Iran, March 2011. (10-a-77)
 - ✓ Mahmoud Saffarzadeh, et. al., "Determination of Airport Access on Domestic Air Traffic Distribution in Dual-airport System by regression Models", the 11th International Transportation and Traffic Conference, Tehran, Iran, March 2011. (10-a-76)

- ✓ Mahmoud Saffarzadeh, et. al., "A Prioritization Model of Operational Actions to Improve Motorcycle Safety in Tehran based on AHP", The Second Conference of Transportation Accident, Zanjan, November 2011(10-a-75).
- ✓ Mahmoud Saffarzadeh, et. al., " Feasibility Study and Design of Specific Motorcycle Routes Using TransCAD", The Second Conference of Transportation Accident, Zanjan, November 2011. (10-a-74)
- ✓ Mahmoud Saffarzadeh, et. al., " Reducing Human Injuries of Motorcycle Accident Using State of the Art Technologies", The Second Conference of Transportation Accident, Zanjan, November 2011. (10-a-73)
- ✓ Mahmoud Saffarzadeh, and Ghader Zarinkia, " Analysis of Drivers' Lane Change Behaviour in freeways Using NGSIM Data", The Fourth Traffic Management Conference, Tehran, Summer 2011. (10-a-72)
- ✓ Mahmoud Saffarzadeh, Seyyed Ramtin Bagheri and Meysam Shaker, "Technical and Economical Comparison of Multiple Lieutenant Systems", The 1st National Avionic Conference, Tehran, Iran, 2011. (10-a-71)
- ✓ Seyyed Ramtin Bagheri, Mahmoud Saffarzadeh and Reza Asadollahi, "Comparison of the Pedestrian Pass-bys in Urban Roads and Development of Solutions to Increase Pedestrian Safety against Accidents", The 1st National Traffic, Safety and Enhancement Solutions, Kerman, Iran, 2011. (10-a-70)
- ✓ Mahmoud Saffarzadeh, Saber Alavi, "The role of Traffic Flow Simulation in Promoting Urban traffic Safety", The Tenth International Transportation Conference, Tehran November 2010.(10-a-69)
- ✓ Mahmoud Saffarzadeh, Navid Nadimi, "Determination of Headway Thresholds to Identify following Cars Using GHR Model", The Tenth International Transportation Conference, Tehran November 2010.(10-a-68)
- ✓ Mahmoud Saffarzadeh, Tayebeh Ferdosi, " The Effect of Distraction in Road Accidents", The Tenth International Transportation Conference, Tehran November 2010.(10-a-67)
- ✓ Mahmoud Saffarzadeh, Mohsen Zahedi, " Evaluation of Road Roughness on Iranian Highway Capacity", The Tenth International Transportation Conference, Tehran November 2010.(10-a-66)
- ✓ Mahmoud Saffarzadeh, et. al., "Assessment and Correction of Traffic Operation Simulation Model", the Second Safety and Traffic Festival, Tehran, January 2010.
- ✓ Mahmoud Saffarzadeh, M. Hajali," Application of AHP in Design and Urban Rail Network", the 11th Rail Transportation Conference, Iran, Sept. 2009. (10-a- 65)
- ✓ Mahmoud Saffarzadeh, et., al., "The Future of Traffic Management and Control: the VANET Approach", The 9th Transportation Traffic Engineering Conference, Tehran, May 2009. (10-a- 64)
- ✓ Mahmoud Saffarzadeh, et., al., "A Fleet Assignment Model for the Bus Rapid Transit", The 9th Transportation Traffic Engineering Conference, Tehran, May 2009. (10-a- 63)
- ✓ Mahmoud Saffarzadeh, et., al., " Comparison of Different Speed management Strategies on Freeways", The 9th Transportation Traffic Engineering Conference, Tehran, May 2009. (10-a- 62)

- ✓ Mahmoud Saffarzadeh, et., al., “ Delay and Queue Length Estimation from Construction Zones in Urban Highways”, The 9th Transportation Traffic Engineering Conference, Tehran, May 2009. (10-a- 61)
- ✓ Mahmoud Saffarzadeh, et., al., “Analysis of New Traffic Control Methods to Manage the Saturated Intersections”, Urban Management Conference, Tehran, Feb. 2009. (10-a- 60)
- ✓ Mahmoud Saffarzadeh, et., al., “Evaluation of Accident Prediction Models in Urban Highways”, The 8th Transpiration and Traffic Engineering Conference, May 2008. (10-a- 59)
- ✓ Mahmoud Saffarzadeh, et., al.,” Removing of Left Turn Movement At Signalized Intersection Using Two Close Roundabouts” The 8th Transportation and Traffic Engineering Conference, May 2008. (10-a- 58)
- ✓ Mahmoud Saffarzadeh, Babak Mirbaha,”Application of ITS in Management of Meteorological Condition of Roads”, the 8th Transportation and Traffic Engineering Conference, May 2008. (10-a- 57)
- ✓ Mahmoud Saffarzadeh, Poria Chavoshi, “Innovation in Public Transportation System Technology to Promote Sustainable Development”, The 8th Transportation and Traffic Engineering Conference, May 2008. (10-a- 56)
- ✓ Mahmoud Saffarzadeh, Yashar Zeinali, “An Optimum Site Selection Model for Trade Facilitation Centers in International Freight Corridors”, International Chabahar Conference, Tehran, June 2008. (10-a- 55)
- ✓ Mahmoud Saffarzadeh, Shahab Hasanpoor, “An Economic Model For Airport Commercialization”, 10th Civil Engineering Confonrence , Semnan, August 2008. (10-a- 54)
- ✓ M.Saffarzadeh & S.Nasser Alavi, “Comparison of Operational Effectiveness of Main Arterial Roads with Road Capacity Guidance Techniques and Florida Dept. of Transportation”, Tehran's 7th Traffic & Transportation Engineering Conference, TMU, Tehran/Iran, March. 2007. (10-a- 53)
- ✓ M.Saffarzadeh & S.Saber Alavi, “Modern Roundabouts Replacing Series of Junctions”, Tehran's 7th Traffic & Transportation Engineering Conference, TMU, Tehran/Iran, March. 2007. (10-a- 52)
- ✓ M.Saffarzadeh & A.Malekzadehfar, “Choosing Appropriate Public Transportation System for an Urban Corridor from an Economic View Point”, Tehran's 7th Traffic & Transportation Engineering Conference, TMU, Tehran/Iran, March. 2007. (10-a -51)
- ✓ M.Saffarzadeh & M.Najafi, “The Use of Queue Theory in Estimating Containerized Piers at Ports”, Tehran's 7th Traffic & Transportation Engineering Conference,TMU, Tehran/Iran, March. 2007. (10-a- 50)
- ✓ N.Arabshahi, M.Saffarzadeh & F.Azadi, “Analysis of the Susceptibility of Terminals and LNG Corridors to Hazards”, 3rd National Conference on Port Safety, Tehran/Iran, Jan. 2007. (10-a- 49)
- ✓ M.Saffarzadeh, M.Fallah & E.S.Abrishami, “Presenting a Model to Determine the Amount of Appropriate Speed Restrictions in Roads”, 3rd Regional Conference on Traffic Management, Tehran/Iran, Oct. 2006. (10-a- 48)

- ✓ M.Saffarzadeh & V.Abolhassan nezhad , “A Process Oriented Model to Determine User Needs in Rural Roads”, Tehran's 7th Traffic & Transportation Engineering Conference, TMU Tehran/Iran, March. 2007. (10-a- 47)
- ✓ Mahmoud Saffarzadeh, Akbar Baghvand , “Performance Analysis of Transportation Network After Earthquake and Approaches to Reduce Impacts ”, 2nd Seminar of Construction in Tehran , Iran, May 2006. (10-a- 46)
- ✓ Mahmoud Saffarzadeh, Khalil Zamani, “Development of an Algorithm to Determine the Cycle Length at Intersection for Purpose of Fuel Conservation”, 2nd Seminar of Construction in Tehran, Iran, May 2006. (10-a- 45)
- ✓ Mahmoud Saffarzadeh, Samad Afkar, “Estimation of Intercity Rail Passenger Transportation ”, 7th International Congress on Civil Engineering , Iran, May 2006. (10-a- 44)
- ✓ Mahmoud Saffarzadeh, Babak Mirbaha, “A User Requirements Model in Intereity Roads”, 7th International Congress on Civil Engineering, Iran, May 2006. (10-a- 43)
- ✓ Mahmoud Saffarzadeh, Morteza Asadamragi, “Prevention and Reduction of Rock Fall Hazards from Erathquake in Mountainous Roads”, 7th International Congress on Civil Engineering, Iran, May 2006. (10-a- 42)
- ✓ Mahmoud Saffarzadeh, Vahid Abolhassannejad , “A New Approach for Identification of Pedestrain High Crash Areas in Rural Roads ”, 7th International Congress on Civil Engineering , Iran, May 2006. (10-a- 41)
- ✓ Mahmoud Saffarzadeh, M.Fallah Zavare, “Forecasting Operational Speed in Tangent Section of Two-lane Mountanous Roads”, 7th International Congress on Civil Engineering , Iran, May 2006. (10-a- 40)
- ✓ Mahmoud Saffarzadeh, M.Fallah Zavare, “Effect of Geometric Design Parameters on Operational Speed at Tangent Section of Two-lane Mountanous Roads”, 7th International Congress on Civil Engineering , Iran, May 2006. (10-a- 39)
- ✓ Mahmoud Saffarzadeh, Mohammad Ghorbani, "Evaluation of Technological Potentials of Transporation Consultants", the Second Conference on Technology Management, Tehran, May 2005. (10-a- 38)
- ✓ Mahmoud Saffarzadeh, Hamid Bahramian, "Identification of Iran's Air Space Potentials to Attract International Flights Through its Air Corridors", International Conference on Air Transport Management, Kish, Feb. 2004. (10-a- 37)
- ✓ Mahmoud Saffarzadeh, Parisa Bazdar, "Estimation of Energy Utilization in Transportation System", 1st Symposium of Energy Optimization, Tehran, Iran. Oct. 2004. (10-a- 36)
- ✓ Mahmoud Saffarzadeh, et. al., "Design of Fuzzy Controller for Ventilation of Road Tunnels", the Fifth Conference on Fuzzy Systems, Tehran, Aug. 2004. (10-a- 35)
- ✓ Mahmoud Saffarzadeh, Amir Amini, "Strategies to Increase the Share of Rail Transportation System", the 7th Conference of Rail transport, Tehran, March 2004. (10-a- 34)

- ✓ Mahmoud Saffarzadeh, Reza Rezai, "Effective Strategies To Promote Quality Service to Satisfy The Users of Transportation System", The Fourth Conference of Quality Management, Tehran, 2004. (10-a- 33)
- ✓ Mahmoud Saffarzadeh, Reza Rezai, "A Mathematical Model for Fuel Consumption of Road Transportation", the Fourth Energy Conference, Tehran, May 2003. (10-a- 32)
- ✓ Mahmoud Saffarzadeh, Kaveh Varshokar, "Demand Model for Transit of International Air Transportation Through Iran, Proceedings of the Sixth International Civil Engineering Conference, Isfahan, May 2003. (10-a- 31)
- ✓ Mahmoud Saffarzadeh, Ali Ghaemi, "A Mathematical Model for Design of Highway Flexible Guardrails Proceedings of the Sixth International Civil Engineering Conference, Isfahan, May 2003. (10-a- 30)
- ✓ Mahmoud Saffarzadeh, Abdolreza Rezaie, "The Role of Traffic Engineering & Education in Reducing the Adverse Impacts of Urban Sprawl", Presented at the Land-use and Culture Development, Conference Isfahan, March 2003. (10-a- 29)
- ✓ Mahmoud Saffarzadeh, Ali Ghaemi, "A Mathematical Model for Obstacle-Free Areas Around International Airport", the Fourth Airspace Engineering Conference, Tehran, Feb. 2002. (10-a- 28)
- ✓ Mahmoud Saffarzadeh, Abdolreza Rezaie, "The Role of Quality Management in Productivity of Transportation Industry", Proceedings of the Third International Conference of Quality Management, Tehran, November, 2002. (10-a- 27)
- ✓ Mahmoud Saffarzadeh, Reza Arjroodi, "Analysis of Quality of Service as a Key Factor of Transportation Customer Satisfaction", Proceedings of the Annual Conference on Service Quality, Tehran, 2002. (10-a- 26)
- ✓ Mahmoud Saffarzadeh, Reza Arjroodi, "Development of Effective Strategies to Increase Efficiency of Energy in Ground Transportation", Presented at the Fifth National Productivity Conference, Tehran, May 2003. (10-a- 25)
- ✓ Mahmoud Saffarzadeh, Abdolreza Rezaie, "Transportation As a Good Tool of Economic Cooperation Among Persian Gulf States ", 12 International Conference of Persian Gulf, Tehran, 2002. (10-a- 24)
- ✓ Mahmoud Saffarzadeh, Reza Arjroodi, "Analysis of Pedestrian Safety in Large Cities", Second Conference on Traffic Management, Tehran, 2001. (10-a- 23)
- ✓ Mahmoud Saffarzadeh, Reza Arjroodi, "Analysis of Self Sufficiency of Railway Transport System", the Sixth Conference on Rail Transportation, Tehran, 2001. (10-a- 22)
- ✓ Mahmoud Saffarzadeh, Abdolreza Rezaie, "The Role of Transportation in Economic Development of the Country, the Third Iranian Economic Conference, Planning and Management Organization, Tehran, 2001. (10-a- 21)
- ✓ Mahmoud Saffarzadeh, Mehran Ghorbani, "An Intercity Demand Model for Air Transportation in Iran", the Sixth Transportation and Traffic Conference, Tehran, 2001. (10-a- 20)
- ✓ Mahmoud Saffarzadeh, et. al., "Self Sufficiency of Public Transportation by Allocating Fuel Subsidies to the System", the 6th Transportation and Traffic Conference, Tehran, 2001. (10-a- 19)

- ✓ Mahmoud Saffarzadeh, Mehrdad Hamdolahi, "Determination of Traffic Lane Distribution Coefficients in Freeway- Ramp Junction Areas", The Sixth Traffic Engineering Conference, Tehran, June 2001. (10-a- 18)
- ✓ Mahmoud Saffarzadeh, Reza Arjroodi, Conservation Strategies for Fuel Consumption Reduction In Ground Transportation", The Third Energy Conference, Tehran, May 2001. (10-a- 17)
- ✓ Mahmoud Saffarzadeh, Amir Ebrahimnejad, "An Optimum Resource Allocation Model for Ports", the Fourth International Conference on Coasts, Ports, and Marine Structures Bandar-Abbas, Nov. 2000. (10-a- 16)
- ✓ Mahmoud Saffarzadeh, and Mehran Gholami, "Environmental Effects of Marine Structure Coatings", the Fourth International Conference on Coasts, Ports, and Marine Structures, ICOPMAS, Bandar-Abbas, Nov. 2000. (10-a- 15)
- ✓ Mahmoud Saffarzadeh, Mehran, Ghorbani, "The Role of National Security in Transportation Master Plan", The First Conference of Law Enforcement Commanders, Tehran, May 2000. (10-a- 14)
- ✓ Mahmoud Saffarzadeh, and G. Masoumi, "An Optimum Computerized Model for Design and Operation of Airport Aprons", the Fifth International Conference of Civil Engineering, Mashhad, May 2000. (10-a- 13)
- ✓ Mahmoud Saffarzadeh, and Ahmad Alimohamadi, "Impact Assessment of Towers at the Urban Traffic Network", the Fifth Transportation and Traffic Conference, Tehran, March 2000. (10-a- 12)
- ✓ Mahmoud Saffarzadeh, and Ali Shafabakhsh, "New Techniques of Good Movement at Congested Urban Corridors", the Fifth Transportation and Traffic Conference, Tehran, March 2000. (10-a- 11)
- ✓ Mahmoud Saffarzadeh, and Reza Rezaee, "Comparison of Rail and Road Transportation Based on Energy Consumption", the Fifth Railway Conference, Tehran, April 2000. (10-a- 10)
- ✓ Mahmoud Saffarzadeh, and Javad Hedayati, "Analysis of Transit Railway Corridors", the Fifth Railway Conference, Tehran, April 2000. (10-a- 9)
- ✓ Mahmoud Saffarzadeh, and Mehdi Mokhber, "Integration of Urban Railway and Road Transportation", the First Urban Railway Conference, Tehran, Nov. 1999. (10-a- 8)
- ✓ Mahmoud Saffarzadeh, and Abdolreza Mohebi, "Analysis of Shippers Integration", the First Conference on Water Transportation, Tehran, 1999. (10-a- 7)
- ✓ Mahmoud Saffarzadeh, and Mehdi Mokhber, "An Accident Analysis Model Based on Geometric Design and Environmental Conditions" the Fourth Conference of Traffic Engineering, Tehran, Feb. 1999. (10-a- 6)
- ✓ Mahmoud Saffarzadeh, "Analysis of Rail Access to Airports" the Fourth Conference on Rail Transportation, Tehran, 1998. (10-a- 5)
- ✓ Mahmoud Saffarzadeh, and Gholamreza Masoomi, "A Systematic Methodology to Develop Airport Master Plans" the Second International Air-Space Conference, Isfahan, 1998. (10-a- 4)
- ✓ Mahmoud Saffarzadeh, and Reza Elyasi, "Application of Geographic Information Systems in Aviation Industry" the Fifth GIS Conference, Tehran, 1998. (10-a- 3)

- ✓ Mahmoud Saffarzadeh, "The State of Art in Airport Terminal Simulation Model" the Fourth International Conference on Civil Engineering, Tehran, 1997. (10-a- 2)
- ✓ Mahmoud Saffarzadeh, "The Effects of Multi-modal Transportation Terminals in Public Transportation System", the Second Conference on Traffic Engineering, Tehran, 1996. (10-a- 1)

B-international conference

- ✓ Ali Reza Mahpour, Amir Reza Mamdoohi, Mahmoud Saffarzadeh, Kay W. Axhausen, Taha Hossein Rashidi "Are there latent effects in shopping destination choice? Survey methods and response behavior", 16th Swiss Transport Research Conference, Ascona, Switzerland, 2016. (10-b- 54)
- ✓ Babak Mirbaha, Mahmoud Saffarzadeh, Seyed Mohammad Hesseini, "An Optimization Model for Locating Speed Control Cameras in Rural Roads" World Conference on Transport Research- WCTR 2016, 10-15 July 2016. (10-b-53)
- ✓ Ashkan Allahyari Nik, Azin Sadeqi Dezfooli, Mahmoud Saffarzadeh "Application of Enhanced Particle Swarm Optimization for Determining the Optimal Geometry of Horizontal Curves" 15th International Conference on Traffic and Transportation Engineering, Tehran, Iran, 2016. (10-b-52)
- ✓ Mahmoud Saffarzadeh, "Preparing Iran road safety action plan" The 2nd Civil and Environmental Engineering Workshop: TMU (I.R. Iran) & GU (China), Tehran, Iran, 16-17 May, 2016. (10-b- 51)
- ✓ Mahmoud Saffarzadeh, Babak Mirbaha, Alireza Ghanizadeh, " The effect of loading frequency on fatigue performance of warm mix Asphalt, 1st IRF Europe & Central Asia Regional Congress, 2015 (10-b-51)
- ✓ Mahmoud Saffarzadeh, et. al., "Risk Model of avalanche Points in Mountainous Roads" presented at 1st IRF Europe & Central Asia Regional Congress, 2015 (10-b-50)
- ✓ Majid Zabihi Tari, Akram Mazaheri, Mahmoud Saffarzadeh, Seyedabrishami Seyedehsan "Analysis of competition between Iranian and foreign airlines in international flights", 18th ATRS World Conference Kedge Business School, France, July 17-20, 2014. (10-b- 50)
- ✓ Seyed Ramtin Bagheri, Mahmoud saffarzadeh, Bijan Vasigh, "Impact of Bird stikes on aircraft operation and prevention methods case study: Iranian airports" ATRS 2014, Frence, June 2014. (10-b- 49)
- ✓ Majid zabihi, Akram Mazaheri, Mahmoud Saffarzadeh, Seyed Ehsan seyed Abrishami, "Analysis of comtetition between Iranian anf foreign airlines byusing discrete choice model", ATRS 2014, Frence, June 2014. (10-b- 48)
- ✓ Mahmoud Saffarzadeh, et. al., "Application of recurisve Bivariate probit model to predict fatality in rural motorcyclist crash" 17th world meeting & exhibition, IRF, Saudi Arabia, 2013 (10-b- 47)
- ✓ Mahmoud Saffarzadeh, et. al., "Sensitivity of conflictt frequencies to threshold of performance indicators" 17th world meeting & exhibition, IRF, Saudi Arabia, 2013 (10-b- 46)

- ✓ Mahmoud Saffarzadeh, et. al., "A Recursive Bivariate Probit Model to identify factors affecting pedestrian fatality in rural crashes" 17th world meeting & exhibition, IRF, Saudi Arabia, 2013 (10-b- 45)
- ✓ Mahmoud Saffarzadeh, et. al., "Technical & Economical Comparison of using its technology for enforcement of plate number rationing in Tehran (even- odd zone)" 13 th WCTR, July 15-18, 2013- Rio de Janeiro, Brazil (10-b- 44)
- ✓ Mahmoud Saffarzadeh, et. al., " Identify Factors Influence Injury Severity of pedestrians in rural Crashes, International Conference Road Safety & Simulation, RSS2013 22-25 October, Rome, Italy (10-b- 43)
- ✓ Mahmoud Saffarzadeh, Ali Ghasemzadeh Khoshkroudi., " Traffic Management Systems Used in Tunnel" EnCon 2012 International Conference, Engineering Towards Change-Empowering Green Solutions, Hong Kong, July. 10-12,2012, Kuching, Sarawak (10-b- 42)
- ✓ Mahmoud Saffarzadeh, et. al., " Airport Choice Model for Tehran Metropolitan Area" 2012 International Conference on Traffic & Transportation Engineering (ICTTE 2012), Hong Kong, Feb. 17-18,2012, (10-b- 41)
- ✓ Mahmoud Saffarzadeh, Ali Ghasemzadeh Khoshkroudi, "Traffic Management Systems Used In Tunnel" EnCon 2012, 5th Engineering Conference, Engineering Towards Change- Empowering Green Solutions" Sarawak, Kuching, 10-12th July 2012 (10-b- 40)
- ✓ Mahmoud Saffarzadeh, et. al., "An Analysis of Air Passengers Behavior of Combined Airport & Airline Choice in Multi –Airport Region" International Association of Computer Science & Information Technology, Hong Kong, Feb. 17-18, 2012 (10-b- 39)
- ✓ Mahmoud Saffarzadeh, Hamidreza bahramian, "Roadmap for Implementation of Performance Based Navigation (PBN) in Iran", ATRS 2012, TAIWAN, June 2012. (Babak Mirbaha 10-b- 38)
- ✓ Mahmoud Saffarzadeh, Babak Mirbaha, "A Route Guidance Model Based on System Optimality Level and Deterministic Route Choice Behavior", 16th Symposium in Quantitive Methods in Transportation Systems, Lausanne, September 2012. (10-b- 37)
- ✓ Mahmoud Saffarzadeh, Babak Mirbaha, "A Model for Predicting Student Accident in Vicinity of Rural Roads", 16th International Road Federation Conference, Lisbon, Portugal, May 2010. (10-b- 36)
- ✓ Mahmoud Saffarzadeh, Yashar Zeinali, "Dynamic Air Fleet Assignment Model Based on Demand and Fleet Operational Specification", Air Transport Research Conference, Porto, Portugal, 2010. (10-b- 35)
- ✓ Mahmoud Saffarzadeh, Vahid Aboulhasannejad, "Influence of Accident cause on Ranking Hazardous Road Sections", 15th International Conference Road Safety on Four Continents, Abu Dhabi, 28-30 March 2010. (10-b- 34)
- ✓ Mahmoud Saffarzadeh, et. al., "A Policy Marking Tool for Optimization of Transit Priority Lanes in an Urban Network", Presented at the 91th TRB Annual Meeting, Washington, D.C., 2010. (10-b- 33)
- ✓ Mahmoud Saffarzadeh, Yashar Zeinali, y, "The Role of Trade Facilitation Centres to Promote Trade and Transport between Europe and Asia" 'International Road Federation, Istanbul Turkey, 2008. (10-b- 32)

- ✓ Mahmoud Saffarzadeh, Pirdavani, "A Designing a Model to Identify and Prioritize Accident Black- Sports", 14th International Conference On Road Safety, Bangkok, Thailand, 2008. (10-b- 31)
- ✓ Mahmoud Saffarzadeh, et., al., "Roundabout Delay Estimation with Simulation Model: Dracula, vissim, and Sitra- b+ ", Third International Symposium on Transport (simulation, 2008 (ists 2008), Gold coast, Australia, 2008. (10-b- 30)
- ✓ Mahmoud Saffarzadeh, et., al, "scheduling Method in Runway Operation Management for Airside Capacity Enhancement", Air Transport Research Conference, Athen, Greec, 2008. (10-b- 29)
- ✓ Mahmoud Saffarzadeh, Ali Abdi, "A New Approach in Runway Operations Management for Airside Capacity Enhancement", ATRS World Conference, University of California, Berkeley, June 21-23, 2007. (10-b- 28)
- ✓ Mahmoud Saffarzadeh, Majid Zabihi, "Development of airport Master Plan Considering Operational and Management Issues", Air Transport Research Conference, Abu Dhabi, June 2009. (10-b- 27)
- ✓ Mahmoud Saffarzadeh, Yashar zeinali, "The Importance of Effective Factors on Airport Efficiency and Level of Services", Air Transport Research Conference, Abu Dhabi, June 2009. (10-b- 26)
- ✓ Mahmoud Saffarzadeh, Taha Fehri, "Redesigning Iran's Air Transportation System: A System Thinking Approach", Air Transport Research Conference, Abu Dhabi, June 2009. (10-b- 25)
- ✓ Mahmoud Saffarzadeh, A.M Broujerdian, "A Route Location Model Considering High Cost Zones", The 11th World Conference on Transportation Research, University of California, Berkeley, June 24-28, 2007. (12-b- 24)
- ✓ Mahmoud Saffarzadeh, Hamid Bahramian, "Opportunities and challenges Facing Emerging Low Cost Carriers in Iran", Air Transport Research Society, Nagoya, Tokyo, May, 2007. (10-b- 23)
- ✓ Mahmoud Saffarzadeh, et. al, "Study of Effective Factors in Performance of Urban Transportation Network During Emergency Condition", The International Emergency Management Society (TIEMS) 13th Annual International Conference Proceedings, 2006. (10-b- 22)
- ✓ Mahmoud Saffarzadeh, et.al, "The Role of Accessibility Transportation Network in Rescue and Relief in Avalanche Disaster", III International "AVALANCHES AND RELATED SUBJECTS" Kirovsk, Russia September 4-8, 2006. (10-b- 21)
- ✓ Mahmoud Saffarzadeh, Yashar Zeinali, "Trade and Transport Facilitation between Europe and Asia", Sustainable Roads, Monterrey, Mexico, May, 2006. (10-b- 20)
- ✓ Mahmoud Saffarzadeh, Hamid Bahramian, "Developing Speed Management Program for Iran", Sustainable Roads Monterrey, Mexico, May, 2006. (10-b- 19)
- ✓ Mahmoud Saffarzadeh, Hamid Bahramian, "Design of Traffic Control System for Commercial Vehicles in Freeway", the Third International SIIV Conference, Bari, Italy, September 22-24, 2005. (10-b- 18)
- ✓ Mahmoud Saffarzadeh, et. al., "Safety Checklists to Consider in Roadwork", the 15th International Road Federation, World Meeting, Bangkok, Thailand, 14-18, June 2005. (10-b- 17)

- ✓ Mahmoud Saffarzadeh, Bahramian, Hamid, “Budget Allocation for Road Maintenance and Improvement Projects Using HDM.4”, the 15th International Road Federation, World Meeting, Bangkok, Thailand, 14-18, June 2005. (10-b- 16)
- ✓ Mahmoud Saffarzadeh, Reza Arjroodi, “An Average Heavy Vehicle Speed Model Based on Highway Design and Traffic Flow”, 10th Conference on Transport Research, Istanbul, July, 2004. (10-b- 15)
- ✓ Mahmoud Saffarzadeh, “An Economic Model for Fuel Consumption of Road Transportation”, the First International Conference on Energy and Environment, Shanghai, China, Oct. 2003. (10-b- 14)
- ✓ Mahmoud Saffarzadeh, “An Optimum Fuel Consumption Model for the Transport of Cargos by Road Vehicles”, IAEE International Conference, Prague, Czech, 2003. (10-b- 13)
- ✓ Mahmoud Saffarzadeh, Bagher Asadi, “Development of a Land Use Noise Pollution Compatibility Model for Mehrabad International Airport”, 13th International Conference on Civil Engineering, Isfahan University of Technology, May 2003. (10-b- 12)
- ✓ Mahmoud Saffarzadeh, Ali Ghaemi, “A Mathematical and Computerized Model for Design of Airport Obstacle Free Areas, 6th International Conference on Civil Engineering, Isfahan University of Technology, May 2003. (10-b- 11)
- ✓ Mahmoud Saffarzadeh, “Feasibility Study of Toll Roads Construction in Iran”, Presented at the Gulf Traffic 2002, Dubai, UAE; Oct. 2002. (10-b- 10)
- ✓ Mahmoud Saffarzadeh, Hamidreza Bahramian, “Developing Income Creating Model for Profit in the Air Transportation System”, Presented at the 81th TRB Annual Meeting, Washington, D.C., 2002. (10-b- 9)
- ✓ Mahmoud Saffarzadeh, and Javad Hedayati, “A Methodology for Feasibility Study of Toll Roads Construction”, 14th Road World Congress, Paris, June 2001. (10-b- 8)
- ✓ Mahmoud Saffarzadeh, Javad Hedayati, “Potentials and Perspectives of the North-South Transport Corridor (NOSTRAC) for the Development of Trade between Europe and Asia, “Management and Policy Studies, International Union of Railways”, Tehran, 2001. (10-b- 7)
- ✓ Mahmoud Saffarzadeh, “Revitalizing the Ancient Silk Road the Mashad-Tajan Railway”, The 6th Annual Conference on Rail Transport, Tehran, Nov., 2000. (10-b- 6)
- ✓ Mahmoud Saffarzadeh, et. al., “Design Criteria for Safety Energy-Absorbing Highway Systems”, On Safe Roads into the XXI. Century, Budapest, Hungary, 24-26 October, 2000. (10-b- 5)
- ✓ Mahmoud Saffarzadeh, “Air Quality Impacts of Vehicle Transportation in Urban Environment” Civil and Environmental Engineering Conference, Bangkok, Thailand, Nov. 1999. (10-b- 4)
- ✓ Mahmoud Saffarzadeh, “An Optimum Resource Allocation Model for Airport Passenger Terminals” Presented at the 8th World Conference on Transport Research, Antwerp, Belgium, July. (10-b- 3)
- ✓ Mahmoud Saffarzadeh, “Airport Terminal Simulation Model; an Object Oriented Approach”, Worldwide ECCE Symposium, Sept, 1997. (10-b- 2)

- ✓ Mahmoud Saffarzadeh, “Traffic Flow Management & Control at Airport Terminals”, Presented at the Institute of Transportation Engineering Annual Meeting, St. John, NF. Canada, July 1996. (10-b-1)

Master Theses Supervised;

1. Application of Geographic Information System at the air transport industry ; mohammad reza almasi
2. A road accident model based on geometric design and ambient environment ; mehdi mokhber
3. A simulation model for the analysis and design of airport aprons ; gholamreza masomi
4. A systems approach analysis of multimodal terminals in Iran ; hossein ramezani
5. Analysis of ground based delays at the Mehrabad international airport ; esmaeil mosawi
6. Evaluation of recycled asphalt concrete in Iran ; Mohsen Zahedi
7. An optimum model for the fuel consumption of city transportation ; Abdoreza rezaei
8. Analysis of multi-modal ports in Iran ; amir ebrahimnejad
9. An intercity air transportation demand model for Iran ; mehran ghorbani
10. An optimum intercity public transportation demand model ; mohamad reza hosseinmardi
11. An impact assessment model for building towers at the urban traffic network ; ali mohammadi
12. An economic toll collection model for intercity roads ; javad hedayati
13. Evaluation of Civil Aviation Organization technical courses at the Aviation Colledge ; mostafa hoshyar
14. An equivalent road maintenance model based on Analytical Hierarchical Process ; Mohammammad reza elyasi
15. A profit making model for the air transportation industry ; hamidreza bahramian
16. Development of land use-noise compatibility model at airports ; mohamad bagher asadi
17. An over fly demand model on the basis of airport development ; kaveh varshokar
18. Development of a simulation model for the design of airport obstacle free areas: ali ghaemi
19. Determination of optimum routes for the transit of goods between Asia and Europe: mohammad ali abedian
20. A priority repair and maintenance model for highways using HDM4 ; maziar Razmavar
21. Development of a repair and maintenance model for road safety devices ; shahram farshad
22. A bridge repair and maintenance model ; behrooz karbasizadeh
23. Development of a road vehicle location finding model ; mohsen negahban
24. Development of a road safety index ;maghsood pooriari
25. Evaluation of GNSS application in the air transportation network; mohammad ramezani
26. An optimum airport site selection model; hiva joolideh
27. A rail transportation Development model for Iran; amir amini
28. Development of a model for allocating fuel subsidies to public transportation system; abdollah norozian
29. A techno-economic model to build and operate freeways and highways; amir fakhroo
30. A techno-economic model to select an optimum high speed intercity rail; samad afkar

31. An optimum route selection model based on the available materials in the corridor; amin-mirza broujerdian
32. Development of suitable public transportation system for metropolitan areas; ali malekzadehfar
33. A pavement management model at the project level based on life cycle cost; mohammad bagheri
34. Estimation of operational speed in the tangent sections of two lane highways; mohsen fallah Zavareh
35. A process oriented model for the regional architecture of intelligent transportation systems; babak mirbaha
36. A traffic accident forecasting model from earthquake in mountainous highways; mortaza asad amraji
37. A techno-economical evaluation of open sky in Iran; reza mizani
38. An optimum fuel consumption model at urban intersections; bahare rabiei
39. An accident forecasting model at the road horizontal curves; akbar azarmi
40. A techno-economic model for the pavement repair and maintenance; mehran toloie
41. A traffic forecasting model for Iranian ports; kamran najafi
42. Evaluation of air traffic control system development using CNS/ATM; ali zamani
43. A methodology to determine the pedestrian accident prone areas at the intercity roads; vahid abolhasannejad
44. A trade and transportation facilitation model among ECO and CIS; yashar zeinali
45. Evaluation of low cost air carriers operation in Iran; Taha fefri
46. Determination of hub airports to facilitate air transport in Iran; majid zabihi
47. Evaluation of road accident prone areas in Fars province; mohammad sabahi
48. A techno-economic model for the bridge repair and maintenance; elham rajabizadeh
49. Development of an algorithm for the parking site selection in the urban areas; shahram alizadeh
50. Development of an airport operational evaluation model; mohammad behzadi
51. An evaluation model to calculate the benefits of ITS application; mohamad erfani
52. A methodology to apply the ITS in the urban traffic studies; shahrokh nornei
53. A decision making model to convert the two way roads to separated highways; hojat safaienejad
54. Modal split and traffic assignment models based on fuzzy logic; saeed kerayechian
55. An optimum budget assignment model for the repair and maintenance of roads; kamran rahimi
56. A decision making model to convert intersections to interchanges; kazem ansari
57. An economic model to commercialize civil airports; pooya zanganeh
58. A dynamic fleet assignment model for the air transport demand; amir ghafghazi
59. A delay reduction model in urban network based on signal optimization; payam moiени
60. An optimum site selection model for schools based on discrete economic models; amirfarzin ghorbani
61. An airport ranking model based on utility and level of service; shahab hassanpoor
62. An optimum site selection model for the ITS devices in intercity freeways; mortaza deljoy sabeti

63. A computerized font determination model for the road signs; arash noroozi
64. An optimum route determination model based on ambient environment using GIS; ali torabi
65. Comparison of permitted speed strategies based on vehicle type and through lane in freeways using VISSIM; mostafa adresi
66. A bicycle route determination model in the urban traffic network; reza asadolahi
67. Development of traffic safety index using non accident data; navid nadimi
68. Evaluation of drivers lane change behavioral models in freeways; ghader zarinkia
69. An economic model for development of parking structures in urban areas; maryam nakhaei
70. A delay reduction model in construction zones of highways using Aimsun; mortaza salami
71. A prioritization model for safety improvement of pedestrian walkways; mostafa javani
72. Analysis of using special license plate with the drivers rule breaking; jahanshah bahramabadi
73. Development of an integrated public transportation system in medium cities; masood borghei
74. A site selection model for the road lighting system; amir khoshkar
75. Techno-Economical Evaluation Of Multilateration System in Mountainous Airport, Seyed Ramtin Bagheri
76. Development of integrated green Transportation in urban areas, Hassan Parsay
77. A mathematical model for intersection control in urban roads, Navid Noseir
78. Development of a model to determine the accident' risk in intercity roads, Bahareh Naderi
79. A methodology for low cost techniques to improve road safety, mohamad torabi
80. Design of operation model for multi-airport cities, Ehsan Shirazinia
81. A decision support system to allocate airport gates in apassenger terminals, Kaveh Kohansal
82. A route choice model for drivers in urban networks, Sina fFamili
83. Demand pricing of freeway entrance ramps to increase freeway capacity, Amir Zademosa
84. Routes evaluation for dangerous good movement based on risk, Sajad Hassanpoor
85. Development of a model to calculate car ownership taxes in urban areas, Mohammad Meshkani
86. A techno-economic evaluation model for selection of multi-airport scenarios, Farhad Golestani
87. A congestion pricing model to promote busing public transportation, Alireza Adibfar
88. Evaluation of Performance Based Navigation, PBN, in Iranian air transportation system, Amir Lotfi
89. Development of a highway pricing model to increase utility, Majid Mastali
90. Effectiveness of Variable message Signs based on the real time data, Shayan Salimifar
91. A location model for Pedestrian overpasses on urban streets, Mohsen Esfandiari
92. Multi-objective model for landing schedule to minimize time and cost simultaneously and addressing by innovative algorithm, Sayed Mirsajad Mokhtati Mousavi
93. Analysis of Tehran province roads capacity and level of service and providing methods to increase them, Vahid Tizpa Niazi
94. Development of techno- economic evaluation model used in ITS to improve safety (case safety: Tehran- Saveh Freeway), Reza Hassan Abadi

95. The analysis of Park-and-ride demand (Case study: Tehran), Reza Mahdavi pour
96. Providing the spatial auto regression model to forecast accidents rate in intercity roads, Ali Ghasemzadeh khoshkroodi
97. Development of increasing road safety methodology and prediction of required credit for implementation methods by analyzing the accident prone locations (Case study: Accident prone locations in the northern side of Lorestan province), Sobhan Maleki Sadeghi, Summer 2013
98. Optimizing a number of electronic toll gates on highways by economic approach (Case study: Tehran- Saveh Highway), Hamed Pourali
99. Optimizing air lines network management by considering the disruption risks,
100. The possible evaluation of providing intercity travel facilities in trip interchange points by urban management prospective, Sayed Ramtin Etemadzadeh
101. Considering the impacts of information technology on managers` function in road construction project, Ali Akbar Fasai
102. Providing the evaluation model of effective parameters on intercity accidents of vulnerable road users by regional models, Sina Sahebi
103. Providing a model to Decrease the congestion of inner-city congested corridors using toll payment and route guidance. Mohammad Amin Mortazavi
104. Evaluating the effects of speed control cameras installation on speed management in rural district (Semnan transportation network). Hadi Khosravi
105. Analyzing the computability of airline companies using choosing models (The travels from Iran to countries located in Southeastern Asia). Akram Mazaheri
106. Considering the effective parameters on bus accidents in rural district using Logit. Mohammad Ebrahim Bagher
107. Estimation of at-grade signalized Intersection capacity model considering pedestrian and motorist infraction, Peiman Mohseni Malredi
108. Analyzing the effects of utilization parameters on increasing the railway network capacity, Seyed Ali Komeile
109. The effects of public transportation pricing policies on users` behavior, Mohsen Sepehr
110. Drivers` Lane-changing behavior forecasting on freeways by Hidden Markov Model, Moein Asgari
111. The acceptance pattern evaluation of speed management on highways, Mojtaba Moghdami
112. The evaluation of the effects of vehicle insurance policies on traffic safety, Vadoud Aliyari Karde deh

113. The hazardous points of accidents identification model based on safety survey, Mostafa Eslami
114. The evaluation of congestion pricing application in collaboration with ramp metering on innercity highways, Amir Rasouli
115. Freeway On-Ramp demand pricing to increase freeway capacity, Seyed Amir zadeh Mousa
116. Traffic simulation model on intersections using image processing, Mostafa Azghandi Ahmadi
117. Providing the evaluation model of the effects of pedestrian island on traffic safety, Seyed Arash Mosavi Sadr
118. Evaluation of the effects of using risk perception test on safe driving skills in the process of stablishing drivers` licenes, Mina Mahmoudi
119. Providing the noise pollution evaluation of Iran Airports, Ali Vali Khanni
120. Locating the parts of sped control system on country road by mathematical modeling, Seyed Mehrdad Hosseini
121. Providing the architectural framework and ITS standard on country road of Iran in the form of information flow of DFD, Milad Tajik
122. Determination of individual parameters and users` travel for selection of bicycle mode of transportation, Fariborz Pargoli
123. Considering the speed reduction obstacles in reduction of vehicles` speed, Seyed Mehrdad Nabavi
124. Evaluation of the effects of timer on drivers` behavior at signalized intersections, Emad Iranshahi
125. Considering the effects of utilizing smart card in improving the urban transportation performance, Parham Gheraati Sani
126. Drivers` danger perception using drivers` personal characteristics, Mahshid Mirzai Taleghani

PhD Dissertations:

1. A highway capacity model based on surface roughness and lighting, mohsen zahedi
2. A road safety evaluation model based on the dynamic segmentation and cause oriented prioritization; aminmirza brojerdian
3. An integrated operational planning and runway assignment model to increase airport airside capacity; ali abdi kordani
4. Development of traffic micro-simulation model for the highway safety assessment; saber naseralavi
5. An optimum model for the site selection of route guidance signs in urban road network; babak mirbaha
6. An integrated operational and design model for the public transportation system; shahab hassaninasab
7. Renewed timing of train movement in two lane railroads, Mohammad tamanai
8. Providing the international passengers' selection models in the multi-airport condition, Majid Zabihi Tari
9. The analysis of simultaneous selection of work travel of parents and children educational travel, Shide Ehtesham Rad
10. Providing the safety evaluation model considering the users' behavior, Mohammadreza Elyasi
11. Design of public transportation network considering demand elasticity, Amirali Zarinmerh
12. Providing the design of the risk perception model and risk based on Iranian drivers' behavior, Morteza Asad Amraji