

Abbas Mahmoudabadi, Ph.D.

1- Assistant Professor, Industrial Engineering Department, MehrAstan University, Guilan, Iran

2- Deputy of Coordinating & Planning, Transportation and Fuel Management Center,
Road Maintenance and Transport Organization (RMTO), Tehran, Iran

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**Education:**

Ph.D. , Department of Engineering Science, Payam-e-Noor University, Tehran, Iran	2014
MSc. , Department of Engineering Science, Tarbiat Modarres University, Tehran, Iran	1997
BSc. , Department of Industrial Engineering, Isfahan University of Technology, Isfahan, Iran	1994

Academic Appointments:

Assistant Professor, Department of Industrial Engineering, MehrAstan University, Guilan, Iran	2014-Present
Lecturer, Department of Engineering Science, Islamic Azad University, South-Tehran Branch, Tehran, Iran	2014-2018
Lecturer, Department of Economic Science, Kharazmi University, Tehran, Iran	2014-2016

Executive Experiences:

Deputy of Coordinating & Planning, Transportation and fuel Management Center, RMTO, Tehran, Iran	2016-Present
Senior Expert on Road Safety and Public Transportation, RMTO, Tehran, Iran	2014-Present
Head of National Road Management Center, RMTO, Tehran, Iran	2011-2013
General Director of Traffic Safety Department, RMTO, Tehran, Iran	2009-2011
Deputy of Traffic Safety Department, RMTO, Tehran, Iran	1997-2009
Senior expert on Transport Statistic and Planning, RMTO, Tehran, Iran	1994-1997
Expert on Production Planning, Mobarakeh Steel Complex, Isfahan, Iran	1993-1994

Awards and Honors:

Outstanding Track Chair, Seventh International Conference on Industrial Engineering and Operations Management, Rabat, Morocco	2017
Outstanding Service Award, Sixth International Conference on Industrial Engineering and Operations Management, Kuala Lumpur, Malaysia	2016
Outstanding Best Track Paper, International Conference on Industrial Engineering and Operations Management, Detroit, Michigan	2016
Outstanding Dissertation Award, Fifth International Conference on Industrial Engineering and Operation Management, Dubai, UAE	2015
Award on Top Ranked Graduate Ph.D. Student	2014
Top ranked researcher at RMTO in road safety	2009
Award received from Road and Urban Development Minister for expertise efforts on National Road Safety Committee	2009
Award on Top Ranked Graduate MSc. Student	1997
Award on Top Ranked Graduate BSc. Student	1994

Research Support as PI or Co-PI:

WHO Country Office, Strengthening the Lead Agency Structure of Road Traffic Safety in Iran	2018-2019
Ministry of Road and Urban Development, Scientific Supervision on Development of National Road Safety Enhancement Action Plan	2016-2018

WHO Country Office, Iranian National Strategies for Advancing Child Road Safety 2015-2016
Comprehensive Plan on Intelligent Transport Systems, Amirkabir University 2010

Service to National Projects as Reviewer

Ministry of Road and Urban Development, Building and Roads Research Center, 2001-2018
Tehran, Iran
Parliament Research Center on Third Party Insurance, Tehran, Iran 2007-2008

Teaching Experiences:

Graduate level courses:

Advanced Engineering Economy, Advanced Linear Programming, Meta-heuristic Techniques, Forecasting and Time Series Analysis, Econometrics, Queuing Theory, Simulation Modeling, Transportation Planning, Traffic Engineering, Road Network Designing, Supply Chain Management, Enterprise Resource Planning, Seminar, Research Methods

Undergraduate level courses:

Project management, Introduction to Transportation Planning, Facility location, Introduction to Operation Research, Engineering Economy, Probability and Statistics, Insurance of Transportation, Road Safety in Developing Countries, Transport Regulations, Traffic Engineering, Roadside Facility Regulations

Invited talks and lectures:

Keynote Speaker:

National Conference on Road Safety in Desert Areas, Semnan, Iran 2015
Third National Conference on Road, Rail and Aerial Accidents, Zanjan, Iran 2014
First National Conference on Traffic Safety, Mahan, Iran 2011

Lecturer:

Public Transportation and Integrated Transport Systems (Presented as Ordered) 2015-Present
Breakeven Point Concept in Freight Transport, Tehran, Iran 2019
Risk Factors in Road Traffic Safety, RMTO Training Center 2018
Traffic Incident Management (Presented as Ordered) 2014-Present
Hazardous Material Transport; Regulations, Concepts and Requirements (Presented as Ordered) 2010-Present
Fundamental Aspects on Improving Rural Transportation, Tehran, Iran 2015

Service to the Profession:

Editorial Member or Guest Editor:

Urban Studies and Public Administration
The Open Transportation Journal
American Journal of Traffic and Transportation Engineering
Transportation & Logistics
Urban Design

Reviewer:

Transportation Research (Part A)
Safety Science
Computers & Industrial Engineering
Journal of Intelligent Transportation and Urban Planning
International Journal of Transportation Engineering
Sharif Journal of Civil Engineering
International Journal of Advances in Structural Engineering
Quarterly Journal of Transportation Research
Quarterly Journal of Traffic Management Studies
Epidemiological Journal
Scientia Iranica, International Journal of Science & Technology

Conference Chair:

The Third National Conference on Engineering Management, November 14-15, 2018, Guilan, Iran,
The Second National Conference on Engineering Management, June 27-28, 2017, Guilan, Iran,

The First National Conference on Engineering Management, May 19-20, 2016, Gilan, Iran

Conference Committee Member:

Track chair for Transportation and Traffic & Undergraduate Student Paper Competition

International Conferences on Industrial Engineering and Operations Management

Bali (2014), Dubai (2015), Orlando (2015), Malaysia (2016), Detroit (2016), Morocco (2017), UK (2017), Bogota (2017), Bandung (2018), Paris (2018), Washington DC (2018), Pretoria (2018), Bangkok (2019), Toronto (2019), Czech Republic (2019), Riyadh (2019), Dubai (2020), Zimbabwe (2020), Singapore (2021)

24th Safe Community 2019

Fourth International Conference on Traffic Accidents

International Conference on Operations Excellence & Service Engineering

11th International Industrial Engineering Conference

12th International Conference on Traffic and Transportation Engineering

Third International Conference on Traffic Accidents

Publications in International Scientific Journals:

- [1]. Abbas Mahmoudabadi, Hassan Abdous, "Do the Coaches' Crashes and Their Usage Exposure Come from the Same Distributions? An Empirical Study Utilizing Wilcoxon and Kolmogorov-Smirnov Tests", *Society & Sustainability*, Volume 2, Number 3, 2020, Pages 10-19.
- [2]. Abbas Mahmoudabadi, Donya Nader, "How do the Risk Equity Techniques Affect on Intercity Road Network Accessibility? An Empirical Study", *Urban Studies and Public Administration*, Volume 3, Number 2, 2020, Pages 87-98.
- [3]. Mohammad Reza Nasiri Jan-Agha, Morteza Bazrafshan, Abbas Mahmoudabadi, "Investigating the Effects of Fuel Price on Inter-city Transportation Utilizing System Dynamics Approach and Simulation (Case Study: Inter-city Transport, Iran)", *International Journal of Urban Design, ITS Publication corporation*, Volume 2, 2019, Pages 1-13.
- [4]. Fatemeh Pourhossein, Abbas Mahmoudabadi, "Smart Urban Street Advertising Pattern Using Internet of Things based on Environmental and Traffic Conditions ", *Urban Studies and Public Administration*, Volume 2, Issue 2, 2019, Pages 44-60.
- [5]. Abbas Mahmoudabadi, Yasaman Lotfizadeh Jad, "Developing Passenger Hub Location Problem Based on Origin-Destination Trips Derived by Gravity Model (Case Study of Iran's Rail Network)", *International Journal of Railway Research*, Volume 5, Issue 2, 2018, Pages 63-71
- [6]. Solmaz Salehzadeh, Abbas Mahmoudabadi, "Developing a Time-Cost Trading-Off Model for Construction Projects in Fuzzy Environment (Case study: Weigh in Motion System)", *International Journal of Advanced Operations Management*, Volume 10, Issue 3, 2018, Pages 183-198
- [7]. Mahmoudabadi Abbas, Sareh Farajzadeh; "Does Internet of Things Affect on Sustainable Development? Investigation through Intermediate Applications", *Urban Studies and Public Administration*, Volume 1, Issue 2, 2018, Pages 172-183
- [8]. Salehi Safoura; Mahmoudabadi Abbas; "Estimating the Reliability of Travel Time on Railway Networks for Freight Transportation", *Urban Studies and Public Administration*, Volume 1, Issue 1, 2018, Pages 75-88
- [9]. Maedeh Babaei Chafjiri, Abbas Mahmoudabadi, "Developing a Conceptual Model for Applying the Principles of Crisis Management for Risk Reduction on Electronic Banking", *American Journal of Computer Science and Technology*, Volume 1, Issue 1, 2018, Pages 31-38
- [10]. Kazem Amiryan, Roozbeh Aziz Mohammadi, Abbas Mahmoudabadi, "Developing a Multi-Objective Model toward Cell Formation and Operator Assignment Consideration Reliability and Workload Planning", *Journal of Management, International Technology and science Publication*, Volume 1, 2017, Pages 28-49
- [11]. Abbas Mahmoudabadi, Razieh Akbari Lalaei, "Developing a Breakeven Point Model Based on Enforce Rate for Installing Weigh in Motion System in Inter-City Transportation", *Journal of Intelligent Transportation and Urban Planning*, Volume 5, Issue 1, 2017, Pages 1-7
- [12]. Abbas Mahmoudabadi, Matin Mehrshad, Mohammad Reza Aminnaseri, "Credit Risk Assessment Utilizing Data Reduction Technique for Individual Loaning in Financial Institutes (Case Study: Tejarat Bank, Rasht, Iran)", *American Journal of Theoretical and Applied Business*, Volume 3, Issue 1, 2017, Pages 11-17
- [13]. Mahdieh Baghaei ZirAsefi, Roozbeh Azizmohammdi, Abbas Mahmoudabadi, "A model for economic evaluation of Intelligent Transportation Systems (ITS) in road transport (Case study: Electronic Toll Collection System at the Bostanabad toll station)", *International Journal of Research approaches in Humanities and Management*.
- [14]. Roghaye Mousazade, Abbas Mahmoudabadi, "Developing a Risk Assessment Model Based on Time Value of Money and Cost-Benefit Ratio in Construction Projects", *Journal of Civil, Construction and Environmental Engineering*, Volume 2, Issue 2, 2017, Pages 34-43
- [15]. Sanam Ziyaeidustan, Abbas Mahmoudabadi, "Application of Value Engineering to Improve Discharging Procedure in Healthcare Centers (Case Study: Amini Hospital, Langroud, Iran)", *International Journal of*

- Engineering Management, Volume 1, Issue 1, 2017, Pages 1-10
- [16]. Fateme Sedighi Fashtali, Mohsen Noorbakhsh Langroodi, Abbas Mahmoudabadi, "Implementation of value stream mapping for waste elimination in public sectors: A case study at Emam sajjad clinic, Rasht, Iran", *Public Health Open Journal*, Volume 1, Issue 2, 2016, Pages 40-47
- [17]. Abbas Mahmoudabadi, Rozita Farokhi, Amir-Afshin Fattahi, "Developing a Tolerated Risk Model for Solving Routing-Locating Problem in Hazardous Material Management", *Journal of Intelligent Transportation and Urban Planning*, Volume 4, Issue 1, 2016, Pages 53-61
- [18]. Abbas Mahmoudabadi, "Developing a Chaotic pattern of dynamic risk definition for solving hazardous material routing-locating problem", *Journal of Loss Prevention in the Process Industries*, Volume 37, 2015, Pages 1-10
- [19]. Reza Tavakkoli-Moghaddam, Azadeh Abolghasem, Abbas Mahmoudabadi, "Comparison between Combined and Separate Approaches for Solving a Location-Routing Problem in Hazardous Materials Transportation", *International Journal of Transportation Engineering*, Volume 3, Issue 1, Winter 2015, Pages 67-77
- [20]. Abbas Mahmoudabadi, "Two Chaotic Patterns of Dynamic Risk Definition for Solving Hazardous Material Routing Problem", *Journal of Engineering*, Hindawi Publishing Corporation, Volume 2015, (2015), Article ID 905864, 7 Pages
- [21]. Abbas Mahmoudabadi, Seyed Mohammad Seyedhosseini, "Solving Hazmat Routing Problem in Chaotic Damage Severity Network under Emergency Environment", *Transport Policy*, Volume 36, November 2014, Pages 34-45
- [22]. Abbas Mahmoudabadi, Seyed Mohammad Seyedhosseini, "Developing a Chaotic Pattern of Dynamic Hazmat Routing Problem", *IATSS Research*, Volume 37, Issue 2, March 2014, Pages 110-118
- [23]. Abbas Mahmoudabadi, Seyed Mohammad Seyedhosseini, "Time-Risk Trade-off of Hazmat Routing Problem under Emergency Environment Using Linguistic Variables", *International Journal of Advanced Operations Management*, Volume 6, Issue 2, 2014, Pages 110-130
- [24]. Abbas Mahmoudabadi, "Developing a Chaotic-Simulation Based Model for Ranking High Selected Network Links in Hazardous Material Transportation", *Journal of Modeling and Simulation in Engineering – Hindawi Publishing Corporation*, Volume 2014, Article ID: 193280, 8 Pages
- [25]. Abbas Mahmoudabadi, "The Assessment of Applying Chaos Theory for Daily Traffic Estimation", *International Journal of Transportation Engineering*, Volume 1, Issue 4, Spring 2014, Pages 241-253
- [26]. Ali Ardalani, Nariman Sepehrvand, Farshad Pourmalek, Gholamreza Masoumi, Mohamad Sarvar, Abbas Mahmoudabadi, Anita Rezaie, "Deadly Rural Road Traffic Injury: A Rising Public Health Concern in I.R.Iran", *International Journal of Preventive Medicine*, Volume 5, Issue 2, February 2014, Pages 241-244
- [27]. Abbas Mahmoudabadi, Seyed Mohammad Seyedhosseini, "Improving the Efficiency of Weigh in Motion Systems through Optimized Allocating Truck Checking Oriented Procedure", *IATSS Research*, Volume 36, Issue 2, March 2013, Pages 123-128
- [28]. Abbas Mahmoudabadi, Seyed Mohammad Seyedhosseini, "Developing a Bi-level Objective Model of Risk-Cost Trade-off for Solving Locating-Routing Problem in Hazardous Material Transportation", *International Journal of Transportation Engineering*, Volume 1, Issue 3, Autumn 2013, Pages 173-182
- [29]. Abbas Mahmoudabadi, Arezoo Abolghasem, "Application of Chaos Theory in Trucks' Overloading Enforcement", *Journal of Engineering - Hindawi Publishing Corporation*, Volume 2013, (2013), Article ID 245293, 5 Pages
- [30]. Abbas Mahmoudabadi, Ali Ghazizadeh, "A Hybrid PSO Fuzzy Model for Determining the Category of 85th Speed", *Journal of Optimization – Hindawi Publishing Corporation*, Volume 2013, (2013), Article ID 964262, 8 Pages
- [31]. Abbas Mahmoudabadi, Seyed Mohammad Seyedhosseini, "Application of Chaos Theory in Hazardous Material Transportation", *International Journal of Transportation Engineering*, Volume 1, Issue 1, winter 2012, Pages 15-22
- [32]. Abbas Mahmoudabadi, Reza Tavakkoli-Moghaddam, "The use of a genetic algorithm for clustering the weighing station performance in transportation – A case study", *Expert System with Applications*, Volume 38, Issue 9, 2011, Pages 11744–11750

Publication as Chapter Book:

- [33]. Abbas Mahmoudabadi, Arezoo Abolghasem, "A Cluster-Based Method for Evaluation of Truck's Weighing Control Stations", *MATLAB - A Ubiquitous Tool for the Practical Engineer*, ISBN 978-953-308-94-9, Chapter 7, February 2011, Pages 137-144

Publications in Persian Language Journals:

- [34]. Reza Tavakkoli-Moghaddam, Farzad Mahmoud Soltani, Abbas Mahmoudabadi, "Developing Mathematical Model of Hazmat Routing Problem under Fuzzy Condition", *Quarterly Journal of Transportation Engineering*, ISSN: 2008-6598, Paper 2, Volume 4, Issue 3, Spring 2013, Pages 209-220
- [35]. Adel Mansourkiaei, Abbas Mahmoudabadi, Seyedeh Sepideh Mirhosseini, "The efficiency of Annual Education Programs on Children Road Safety (Case Study, Rural Roads, Iran)", *Sharif Journal of Civil*

Engineering, Volume 27-2, Issue 3, Autumn 2011, Pages 93-97

- [36]. Abdolreza Sheikholeslami, Fatemeh Bagheri Khalili, Abbas Mahmoudabadi, "Application of Principal Component Analysis as a Variables Reduction Technique in Freeway Accident Prediction Models (A Case Study)", Quarterly Journal of Transportation Engineering, ISSN: 2008-6598, Article 3, Volume 3, Issue 4, spring 2012, Pages 325-338
- [37]. Mohammad Reza Aminnaseri, Abbas Mahmoudabadi, "Capacity Planning Model for Vehicle Fleets on Rural Transportation", Modarres Technical and Engineering Journal, ISSN 1027-5940, Volume 27, Spring 2007, Pages 1-14

International Conference Papers:

- [38]. Abbas Mahmoudabadi, Peyman Moghadam, "Do the Written Examination based Training Courses Affect on Freight Drivers' Skills? An Empirical Study in Iran based on the Kirk-Patrick Model", Proceeding of the 10th International Conference on Industrial Engineering and Operation Management, Dubai, UAE, March 10-12, 2020, Pages 2965-2970.
- [39]. Abbas Mahmoudabadi, Donya Nader, "Developing a Two-stage Procedure for Distributing Hazmat Transport Risk over Intercity Road Network; an Empirical Study", Proceeding of the 26th PIARC World Road Congress, October 6-10, 2019, Abu-Dhabi, Paper IP0276 <https://pre-proceedings-abudhabi2019.piarc.org/en/documents/individual-papers/s-1967.htm>.
- [40]. Hamideh Baghaei Daemi, Abbas Mahmoudabadi, Sedigheh Rezvani Chomachar, Developing a risk covering based model for locating rescue and relief centers in of hazardous materials transportation (An empirical study: Guilan province of Iran), Proceeding of the third European Conference on Industrial Engineering and Operations Management, Pilsen, Czech Republic, July 23-26, 2019, Pages 1628-1638.
- [41]. Roozbeh Azizmohammadi, Abbas Mahmoudabadi, SMOSA Optimization Approach to a Multi Objective Model for a Machine Tool Selection and Operation Allocation Problem in FMS, Proceeding of the 9th International Conference on Industrial Engineering and Operations Management, Bangkok, Thailand, March 5-7, 2019, Pages 3279-3290.
- [42]. Fatemeh Bagheri Khalili, Antonio Antunes, Afshin Shariat Mohaymany, Abbas Mahmoudabadi, valuating Freight Accessibility Conditions through the Combination of Centrality and Reliability Measures: A Study for Iran, Transportation Research Board, TRB Annual Meeting 2019, Washington D.C., <http://amonline.trb.org/68387-trb-1.4353651/t005-1.4370696/1370-1.4370834/19-05313-1.4364929/19-05313-1.4370843?qr=1>
- [43]. Mahdiah Mahmoudabadi, Abbas Mahmoudabadi, Niloofer Afifi Kisomi, Arash Gholami, "How to Distribute Hazmat Transport Risk over the Intercity Network? An Empirical Study", Proceeding of the Second IEOM European Conference on Industrial Engineering and Operations Management, Paris, France, July 26-27, 2018, Pages 2667-2675
- [44]. Hamideh Baghaei Daemi, Abbas Mahmoudabadi, Roozbeh Azizmohammadi, "A Locating-Routing Model for Hazardous Materials Transport Planning based on Time Value of Money for Establishing and Operating Costs (Case study: Northwest Area of Iran)", Proceeding of the Second IEOM European Conference on Industrial Engineering and Operations Management, Paris, France, July 26-27, 2018, Pages 2585-2594
- [45]. Mostafa Rezaei, Abbas Mahmoudabadi, Amir-Mohammad Golmohammadi, "Establishing wind farm for desalting sea water to produce hydrogen", International Conference on Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018
- [46]. Seyyed Hakimeh Seyyedi Siahkale, Abbas Mahmoudabadi, "Identification and assessment of gender based attributes and measures for designing electronic advertising", 4th International Conference on Knowledge Based Research in Computer Engineering and Information Technology, Allameh Tabataba'i University, July 21, 2017, Tehran, Iran
- [47]. Seyyed Hakimeh Seyyedi Siahkale, Abbas Mahmoudabadi, "Identification and assessment of gender based attributes and measures for designing electronic advertising", 4th International Conference on Knowledge Based Research in Computer Engineering and Information Technology, Allameh Tabataba'i University, July 21, 2017, Tehran, Iran
- [48]. Abbas Mahmoudabadi, Samira KHoshnoud, "A preemptive goal programming approach for developing a cost-time trading-off model based on tolerated cost", 7th International Conference on Industrial Engineering and Operations Management, Rabat, Morocco, April 11-13, 2017, Pages 2137-2144
- [49]. Seyed Hamed Jafarpour, Azam Andalib, Abbas Mahmoudabadi, " The impact of quality of service, website, shopping experience and infrastructure on online customers' loyalty", 3th International Conference on Web Research (ICWR), 2017; DOI: 10.1109/ICWR.2017.7959322
- [50]. Abbas Mahmoudabadi, Fateme Pakzad, "Developing a quadratic programming model for time-cost trading off in construction projects under probabilistic constraint", 7th International Conference on Industrial Engineering and Operations Management, Rabat, Morocco, April 11-13, 2017, Pages 2199-2205
- [51]. Abbas Mahmoudabadi, Seyyede Mahsa Saleh, "Risk Evaluation on Construction Projects Using Fuzzy Logic and Binomial Probit Regression", 7th International Conference on Industrial Engineering and Operations Management, Rabat, Morocco, April 11-13, 2017, Pages 2261-2266
- [52]. Behnaz Fotouhi, Abbas Mahmoudabadi, Ali Nazemi "Developing a Probabilistic Economic Model for

- Cost-Benefit Analysis on Installation Rural Advertising Signs (Case Study: Yazd-Mehriz Road, Yazd, Iran)", 7th International Conference on Industrial Engineering and Operations Management, Rabat, Morocco, April 11-13, 2017, Pages 2445-2450
- [53]. Seyed Hamed Jafarpour, Abbas Mahmoudabadi, Azam Andalib, "The impact of service and website quality, shopping experiences and infrastructure on online customers satisfaction", Forth International Conference on Electrical and Computer Engineering, January 12, 2017
- [54]. Donya Nader, Abbas Mahmoudabadi, "Investigating the relationship between team-working and production agility in manufacturing organizations", International Conference on Industrial Engineering and Operations Management, Detroit, Michigan, USA, 23-25 September, 2016, Pages 515-522
- [55]. Roghaye Mousazade, Abbas Mahmoudabadi, "Considering the time value of money for modeling the risk assessment of cost and time components in construction projects", International Conference on Industrial Engineering and Operations Management, Detroit, Michigan, USA, 23-25 September, 2016, Pages 644-649
- [56]. Seyedeh Zahra Alavi, Abbas Mahmoudabadi, Mojtaba Safari, "A hybrid model of Multi-Criteria Decision Making techniques for assessing manufacturing systems based on manufacturing strategies", 4th International Conference on Engineering and Humanities, 20-21 July, 2016, Odessa, Ukraine
- [57]. Abbas Mahmoudabadi, Hassan Abdoos, and Roozbeh Azizmohammadi "Using Tolerated Risk for Solving Hazardous Material Routing Problem by Preemptive Goal Programming Approach", 2016 International Conference on Industrial Engineering and Operations Management (IEOM), Kuala Lumpur, Malaysia, March 8-10, 2016, Pages 79-86
- [58]. Raziye Akbari, Abbas Mahmoudabadi, "Developing a cost-effective model for evaluating the efficiency of weigh in motion system", 2016 International Conference on Industrial Engineering and Operations Management (IEOM), Kuala Lumpur, Malaysia, March 8-10, 2016, Pages 3105-3113
- [59]. Azadeh Abolghasem, Reza Tavakkloi-Moghaddam, Abbas Mahmoudabadi, "A Three-Stage Approach for Solving Location-Routing Problem in Hazardous Materials Transportation", International Conference on Operations Excellence and Service Engineering, Orlando, Florida, USA, September 10-11, 2015, Pages 383-392
- [60]. Abbas Mahmoudabadi, Mahdieh Mahmoudabadi, "Developing a Two-Stage Procedure for Estimating Origin-Destination Matrix based on Routes and Traffic Volumes", Fifth International Conference on Industrial Engineering and Operations Management, Dubai, UAE, March 3 – 5, 2015, Pages 44-49
- [61]. Abbas Mahmoudabadi, Nasir Baradaran Rahmanian, Shiva Hajihashemi, "Developing a Risk Level Determination Method for Schools in the Vicinity of Inter-City Roads", Fifth International Conference on Industrial Engineering and Operations Management, Dubai, UAE, March 3 – 5, 2015, Pages 86-92
- [62]. Hassan Hadipour, Mohammad Khoshnoud, Roozbeh Azizmohammadi, Abbas Mahmoudabadi, "A Fuzzy Goal Programming Approach for Facility Location Problem (Case Study: Service Providers)", Fifth International Conference on Industrial Engineering and Operations Management, Dubai, UAE, March 3 – 5, 2015, Pages 432-438
- [63]. Abbas Mahmoudabadi, Adel Mansour Kiayi, "Improving Children Safety Using Training and Practical Programs", 14th International Conference on Traffic and Transportation Engineering, Tehran, Iran, February 24 – 25, 2015, Article ID 631
- [64]. Nasir Baradaran Rahmanian, Shiva Hajihashemi, Abbas Mahmoudabadi, "Identifying and Managing Road Safety Risk in School Zones", 14th International Conference on Traffic and Transportation Engineering, Tehran, Iran, February 24 – 25, 2015
- [65]. Hassan Hadipour, Roozbeh Aziz-mohammadi, Abbas Mahmoudabadi, Mohammad Khoshnoud, "Application of ELECTRE Method for Sub-Contractor Selection using Interval-Valued Fuzzy Sets - Case Study", Forth International Conference on Industrial Engineering and Operations Management, Bali, Indonesia, January 7 – 9, 2014, Pages 713-722
- [66]. Abbas Mahmoudabadi, Saeed Andalibi, "Assessment of Applying Chaos Theory for Daily Traffic Estimation", Forth International Conference on Industrial Engineering and Operations Management, Bali, Indonesia, January 7 – 9, 2014, Pages 559-567
- [67]. Abbas Mahmoudabadi, Seyed Mohammad Seyedhosseini, "Using Extent Analysis Method for Risk Assessment of Road Network in Hazmat Transportation", 12th International Conference on Traffic and Transportation Engineering, 20-21, February, 2013, Tehran, Iran, Article ID 51
- [68]. Abbas Mahmoudabadi, Seyed Mohammad Seyedhosseini, "Time-Risk Tradeoff of Hazmat Routing Problem in Emergency Situation", Third International Conference on Industrial Engineering and Operations Management, Istanbul, Turkey, July 3 – 6, 2012, Pages 344-351
- [69]. Fatemeh Bagheri Khalili, Abdolreza Sheikholeslami, Abbas Mahmoudabadi, "Variable Efficiency Appraisal in Freeway Accidents Using Artificial Neural Networks (Case Study)", 12th COTA International Conference of Transportation Professionals (CICTP 2012) Pages 2657-2664, August 3-6, 2012, Indexed in ASCE (American Society of Civil Engineers)
- [70]. Hassan Hadipour, Roozbeh Azizmohammadi, Abbas Mahmoudabadi, "Sub-Contractor Selection in General Contractor Organizations Using Interval-Valued Fuzzy", Third International Conference on Industrial Engineering and Operations Management, Istanbul, Turkey, July 3 – 6, 2012, Pages 879-886
- [71]. Abbas Mahmoudabadi, "Using artificial neural network to estimate average speed of vehicles in rural

- roads", International Conference on Intelligent Network and Computing (ICINC 2010), November 26 - 28, 2010, Kuala Lumpur, Malaysia, Volume 1, 2010, Pages 25-30
- [72]. Abbas Mahmoudabadi, Somaye Fakharian, "Estimating of missing traffic data using artificial neural network", International Conference on Intelligent Network and Computing (ICINC 2010), November 26 - 28, 2010, Kuala Lumpur, Malaysia, Volume 2, 2010, Pages 144-147
- [73]. Seyed Mohammad Seyedhosseini, Abbas Mahmoudabadi, "The effects of network size and variables on solution approach in hazmat routing problems", Second International Conference on Computer and Network Technology, Bangkok, Thailand, 23-25 April 2010, Part 7: Traffic and logistic Management, Pages 377-391
- [74]. Abbas Mahmoudabadi, "Comparison of weighted and simple linear regression and artificial neural network models in freeway accidents prediction (Case study: Qom & Qazvin Freeways in Iran)", Second International Conference on Computer and Network Technology, Bangkok, Thailand, April 23-25, 2010, Part 7: Traffic and logistic Management, Pages 392-396
- [75]. Abbas Mahmoudabadi, Hassan Badkoobei, "New Attributes in Hazardous Material Transportation Modelling Approaches" 2010 International Academy of Business Discipline (IADB 2010) Conference, Las Vegas, Nevada, United states, March 2010

Publications in National or International Conferences Proceedings in Persian language:

- [76]. Somaye Hosseinzadeh, Abbas Mahmoudabadi, Azam Andalib, "Competitive techniques and challenges in online social media" The first international conference on organizational trading intelligent, Shahid Beheshti University, Tehran, Iran, May 19, 2016
- [77]. Hamed Jafarpour, Abbas Mahmoudabadi, Azam Andalib, "Proposing a new method to identify customer satisfaction measures" The first international conference on organizational trading intelligent, Shahid Beheshti University, Tehran, Iran, May 19, 2016
- [78]. Matin Mehrshad, Mohammadreza Aminnaseri, Abbas Mahmoudabadi, "Using Logit and Probit models for evaluating credit risk on private borrowers (Case Study: Rasht)" The third international conference on challenges and countermeasures management, Shiraz, Iran, March, 2016
- [79]. Seyyedeh Hakimeh Seyyedi, Abbas Mahmoudabadi, "Investigating customers' behavior in neural marketing" The first national conference on Engineering Management, Gilan, Iran, May 18-19, 2016
- [80]. Matin Mehrshad, Mohammadreza Aminnaseri, Abbas Mahmoudabadi, "Evaluating credit risk", The first national conference on Engineering Management, Gilan, Iran, May 18-19, 2016
- [81]. Donya Nader, Abbas Mahmoudabadi, "The relationship between team-works and production abilities" The first national conference on Engineering Management, Gilan, Iran, May 18-19, 2016
- [82]. Morteza Khazanedarloo, Abbas Mahmoudabadi, "A review on mouth to mouth marketing strategies in social media" The first national conference on Engineering Management, Gilan, Iran, May 18-19, 2016
- [83]. Mohammad Rasoul Sayad Maroof, Abbas Mahmoudabadi, "Distribution channels and their effects on supply chain management" The first national conference on Engineering Management, Gilan, Iran, May 18-19, 2016
- [84]. Abbas Mahmoudabadi, "Road safety countermeasures in Desert Areas" The first national symposium on road safety in Desert Areas, Semnan, Iran, January 20, 2016

Biography

Dr. Abbas Mahmoudabadi was born on July 27, 1972, in the Iranian southern city of Sirjan. He served the high school education in Ebne-Sina and moved to the Isfahan University of Technology in September 1990. He graduated as the top-ranked student of BSc. in Industrial Engineering in 1994 and immediately started MSc. at Tarbiat Modarres University, Tehran, Iran. He graduated following the publication of his thesis titled "Capacity Planning Model for Vehicle Fleets on Intercity Transportation" in September 1997. He received the degree of Ph.D. as the top-ranked student in January 2014 with the dissertation topic of "Developing Sustainable Model of Hazardous Material Routing Problem under Emergency Environment" where the papers published by IATSS Research and Transport Policy journals.

He has been professionally working at Road Maintenance and Transport Organization (RMTO.IR) since 1995 in the fields of road traffic safety and public transportation. His major executive experiences are based on working more than 26 years in different positions mainly the director and deputy of the Traffic Safety Department, head of Road Management Center, and deputy of Coordination and Planning for Fuel and Transport Management Center together with conducting many national projects.

In addition to industrial experiences, he is currently teaching in industrial engineering, transportation planning, and e-business at universities at the position of director for the industrial engineering department at MehrAstan University, Gilan, Iran. Moreover, his cooperation with scientific journals and international academic sectors like IEOM Society are the main academic activities in the fields of industrial engineering, traffic, transportation, and E-Business.

In the case of any question on academic and industrial fields, traffic experts and students are recommended to send their emails to mahmoudabadi@mehrastan.ac.ir or abbasmahmoudabadi@gmail.com.

Short Biography

Dr. Abbas Mahmoudabadi is currently director, master's program in Industrial Engineering at MehrAstan University, Guilan, Iran. He received the degree of Ph.D. in January 2014 in Hazmat transport optimization. He has published 84 journal or international conference papers in Industrial Engineering, Transportation, Traffic Safety, and E-commerce. He has been working more than 26 years as senior expert in public transportation and traffic safety at WWW.RMTO.IR. He serves as profession to national and international agencies those are working and studying on road traffic safety, industrial engineering, and E-Business.

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