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18

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1100

Supervised PhD Theses

#	Thesis title	By	Date
1	transit priority network design problem under uncertain demand	Ahmadreza Ghaffari & Mahmoud Mesbah Namini	October 2021

Supervised MSc Theses

#	Thesis title	By	Date
1	Inferring Mode Choice Behavior of Public Transportation Customers from a Customer Satisfaction Survey (CSS)	Mohammad Mahdi Babaye Khorasani & Mahmoud Mesbah Namini	September 2021
2	Developing a Volume-delay Function with Autonomous Vehicles in Traffic Composition	Erik Minasian & Mahmoud Mesbah Namini	April 2021
3	Comparison of group and individual travel behaviour using bus smart card data	Mostafa Abolfazli & Mahmoud Mesbah Namini	September 2020
4	Analyzing passenger satisfaction in bus rapid transit using a smartphone application	Tara Saeidi & Mahmoud Mesbah Namini	April 2020
5	Smart Traffic behavior Assessment	Alireza Pourkhaksar & Mahmoud Mesbah Namini	March 2020

6	Travel mode detection of smartphone data using genetic programming	Farnoosh Namdarpour & Mahmoud Mesbah Namini	February 2020
7	TravelTime Prediction on a Road Link Using Historical Data	Arya Zandi & Mahmoud Mesbah Namini	May 2019
8	Effect of Air Pollution on Traffic Accidents	Maryam Ahmadi & Mahmoud Mesbah Namini	March 2019
9	Traffic data fusion to estimate travel time	Seyedmohsen Kheyrandish & Mahmoud Mesbah Namini	January 2019
10	Identification and evaluation of customer satisfaction measures in paratransit	Mohammad Halakoo & Mahmoud Mesbah Namini	December 2018
11	Developing a model to assess the perceived walking distance and examining its effect on walking to workplace in the Rasht city	Yashar Javid & Mahmoud Mesbah Namini	June 2018
12	Identification and evaluation of measures affecting customer satisfaction in Tehran Metro	Amirali Soltanpourkhazaei & Mahmoud Mesbah Namini	February 2018
13	Data Fusion to Estimate Link Speed Using GPS and traditional methods	Fatemeh Banani Ardecani & Mahmoud Mesbah Namini	January 2018
14	Design of an Integrated Intelligent Transportation System Architecture for Transit	Mohammad Amin Ashena & Mahmoud Mesbah Namini	February 2017
15	design of public/ road maintenance intelligent transportation system architecture	Elham Saffari & Mahmoud Mesbah Namini	January 2017

Journal Papers

Portal Records

- 1 Ehsan Ramezani Khansari, Masoud Tabibi, Fereidoon Moghadas Nejad, Mahmoud Mesbah Namini, "Comparing the Effect of Age, Gender, and Desired Speed on Car-Following Behavior by Using Driving Simulator", JOURNAL OF ADVANCED TRANSPORTATION, August 2021 Vol. 2021, Num. 0, Page 1-7, August 2021,
- 2 Saba Sabet, Farnoosh Namdarpour, Mahmoud Mesbah Namini, "A Cost-Effective Methodology to Compare Travel Time and Speed: A Tale of 11 Cities", PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-MUNICIPAL ENGINEER, April 2021 Vol. 1, Num. 1, Page 1-12, April 2021,
- 3 Hamed Faroqi, Mahmoud Mesbah Namini, Jiwon Kim, "Activity-Trip based Model for Friend Recommendation with Transit Smart Card Records", JOURNAL OF URBAN PLANNING AND DEVELOPMENT-ASCE, December 2020 Vol. 146, Num. 4, Page 1-11, December 2020,
- 4 Maryam Ahmadi, Babak Khorsandi, Mahmoud Mesbah Namini, "The effect of air pollution on drivers' safety performance", ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, November 2020 Vol. 1, Num. 1, Page 1-14, November 2020,
- 5 Mohadeseh Rahbar, Mark Hickman, Mahmoud Mesbah Namini, Ahmad Tavassoli, "Temporal Validation of a Multimodal Transit Assignment Model", CASE STUDIES ON TRANSPORT POLICY, November 2020 Vol. 8, Num. 2, Page 535-541, November 2020,
- 6 Tara Saeidi, Mahmoud Mesbah Namini, Meeghat Habibian, "Sequenced Ordered Logit Model Considering Latent Variables for Determining Trip Satisfaction of Metro Passengers", TRANSPORTATION RESEARCH RECORD, July 2020 Vol. 0, Num. 0, Page 1-12, July 2020,
- 7 Hamed Faroqi, Mahmoud Mesbah Namini, Jiwon Kim, "Modelling socioeconomic attributes of public transit passengers", JOURNAL OF GEOGRAPHICAL SYSTEMS, June 2020 Vol. 22, Num. 1, Page 519-543, June 2020,

- 8 Sara Movagharhoor, Mahmoud Mesbah Namini, Meeghat Habibian, "Optimum Location of Autonomous Vehicle Lanes: A Model Considering Capacity Variation", MATHEMATICAL PROBLEMS IN ENGINEERING, May 2020 Vol. 2020, Num. 1, Page 1-13, May 2020,
- 9 Amirali Soltanpourkhazaei, Mahmoud Mesbah Namini, Meeghat Habibian, "Customer satisfaction in urban rail: a study on transferability of structural equation models", Public Transport, January 2020 Vol. 12, Num. 1, Page 123-146, January 2020,
- 10 Hamed Faroqi, Mahmoud Mesbah Namini, Jiwon Kim, "Behavioural advertising in the public transit network", Research in Transportation Business and Management, December 2019 Vol. 32, Num. 100421, Page 1-10, December 2019,
- 11 Behrang Assemi, Azalden Alsger, Mahboobeh Moghaddam, Mark Hickman, Mahmoud Mesbah Namini, "Improving Alighting Stop Inference Accuracy in the Trip Chaining Method using Neural Networks", Public Transport, November 2019 Vol. 12, Num. 1, Page 89-121, November 2019,
- 12 Ahmad Tavassoli, Mahmoud Mesbah Namini, Mark Hickman, "Calibrating a transit assignment model using smart card data in a large-scale multi-modal transit network", TRANSPORTATION, June 2019 Vol. -, Num. 0, Page 1-24, June 2019,
- 13 Ahmadreza Ghaffari, Mahmoud Mesbah Namini, Ali Khodaii, "Designing a transit priority network under variable demand", TRANSPORTATION LETTERS-THE INTERNATIONAL JOURNAL OF TRANSPORTATION RESEARCH, June 2019 Vol. 0, Num. 0, Page 1-14, June 2019,
- 14 Hamed Faroqi, Mahmoud Mesbah Namini, Jiwon Kim, "Comparing Sequential with Combined Spatiotemporal Clustering of Passenger Trips in the Public Transit Network Using Smart Card Data", MATHEMATICAL PROBLEMS IN ENGINEERING, April 2019 Vol. 2019, Num. 1, Page 1-16, April 2019,
- 15 Shahrzad Moeiniyan Bagheri, Behrang Assemi, Mahmoud Mesbah Namini, Mark Hickman, "A cost-effective ubiquitous method for motor vehicle speed estimation using smartphones", IET Wireless Sensor Systems, December 2018 Vol. 8, Num. 6, Page 340-349, December 2018,
- 16 Ahmad Tavassoli, Mahmoud Mesbah Namini, Ameneh Shobeirinejad, "Modelling passenger waiting time using large-scale automatic fare collection data: An Australian case study", TRANSPORTATION RESEARCH PART F-TRAFFIC PSYCHOLOGY AND BEHAVIOUR, October 2018 Vol. 58, Num. 0, Page 500-510, October 2018,
- 17 Hamed Faroqi, Mahmoud Mesbah Namini, Jiwon Kim, Ahmad Tavassoli, "A model for measuring activity similarity between public transit passengers using smart card data", Travel Behaviour and Society, September 2018 Vol. 13, Num. 0, Page 11-25, September 2018,
- 18 Mohadeseh Rahbar, Mark Hickman, Mahmoud Mesbah Namini, Ahmad Tavassoli, "Calibrating a Bayesian Transit Assignment Model Using Smart Card Data", IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, August 2018 Vol. 0, Num. 0, Page 1-10, August 2018,
- 19 Mahboobeh Moghaddam, Hamid Shobeiri Nejad, Mahmoud Mesbah Namini, Mark Hickman, "Developing a fault prediction model for wired copper networks under precipitation", International Journal of Critical Infrastructures-OPEN, August 2018 Vol. 14, Num. 3, Page 268-293, August 2018,
- 20 Mohadeseh Rahbar, Mark Hickman, Mahmoud Mesbah Namini, Ahmad Tavassoli, "Determining Effective Sample Size to Calibrate a Transit Assignment Model: A Bayesian Perspective", TRANSPORTATION RESEARCH RECORD, June 2018 Vol. 2018, Num. 1, Page 1-10, June 2018,
- 21 Behrang Assemi, Hamed Jafarzadeh, Mahmoud Mesbah Namini, Mark Hickman, "Participants' perceptions of smartphone travel surveys", TRANSPORTATION RESEARCH PART F-TRAFFIC PSYCHOLOGY AND BEHAVIOUR, March 2018 Vol. 54, Num. 0, Page 338-348, March 2018,
- 22 Azalden Alsger, Ahmad Tavassoli, Mahmoud Mesbah Namini, Luis Ferreira, Mark Hickman, "Public transport trip purpose inference using smart card data", TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES, January 2018 Vol. 87, Num. 1, Page 123-137, January 2018,
- 23 Misbah Khan, Mahmoud Mesbah Namini, Luis Ferreira, David Williams, "A case study on pavement performance due to extreme moisture intrusion at untreated layers", INTERNATIONAL JOURNAL OF PAVEMENT ENGINEERING, December 2017 Vol. 0, Num. 0, Page 1-14, December 2017,



- 24 Ahmad Tavassoli, Mahmoud Mesbah Namini, Mark Hickman, "Application of smart card data in validating a large-scale multi-modal transit assignment model", Public Transport, September 2017 Vol. 0, Num. 0, Page 1-21, September 2017,





Conference Papers

Portal Records

- 1 Amir Golroo, Mehdi Rasti, Bahram Taheri, Mahmoud Mesbah Namini, Maryam Amir Haeri, Hainian Wang, "A Nexus Framework for the intelligent transportation infrastructure based on circular economy ", World Transport Convention, June 2021
- 2 Behrang Assemi, Hamid Safi, Alexander Paz, Mahmoud Mesbah Namini, Luis Ferreira, Mark Hickman, "Enhancing GPS-Assisted Travel Data Collection Through Smartphones ", The 23rd IEEE International Conference on Intelligent Transportation Systems., September 2020
- 3 Mohsen Bargi, Mehdi Ghatee, Mahmoud Mesbah Namini, "Introducing two master-slave meta-heuristic algorithms for cooperative intersections timing ", The 18th International Conference on Traffic & Transportation Engineering, February 2020
- 4 Tara Saeidi, Mahmoud Mesbah Namini, Meeghat Habibiyan, "A Sequenced Ordered Logit Model to Identify Key Factors of BRT Service Quality ", First Online Bridging Transportation Researchers (BTR) Conference, January 2020
- 5 Mina Sahraei, Amirali Soltanpourkhazaei, Mahmoud Mesbah Namini, Meeghat Habibiyan, "Women's perceptions of service quality in transit: A case study of Tehran Metro ", 6th International Conference on Women's Issues in Transportation, September 2019
- 6 Maryam Ahmadi, Babak Khorsandi, Mahmoud Mesbah Namini, "A comprehensive review on the effects of air pollution on human performance ", International conference on society and environment, September 2018
- 7 Asal Farajpour, Morteza Bagheri, Mahmoud Mesbah Namini, "Analysis of Passenger Satisfaction in Using Various Transport modes and the Affecting Factors (Case Study: Tehran-Parnd) ", The 17th International Conference on Traffic and Transportation Engineering, February 2018
- 8 Amirali Soltanpourkhazaei, Mahmoud Mesbah Namini, Meeghat Habibiyan, "Perceived Service Quality in Urban Rail Transit: A Comparison of Structural Equation Models ", The 97th Annual Meeting of Transportation Research Board (TRB 2018), January 2018
- 9 Elham Saffari, Amir Golroo, Mahmoud Mesbah Namini, Mohammad Amin Ashena, "A Methodology to Develop an ITS Architecture For Developing Countries: Case Study of Iran ", The 97th Annual Meeting of Transportation Research Board (TRB 2018), January 2018
- 10 Mohammad Amin Ashena, Mahmoud Mesbah Namini, Amir Golroo, Elham Saffari, "An Approach to Develop a National ITS Architecture for Iran in Public Transportation ", 2nd Iran ITS Congress, February 2017

Taught Courses

#	Course title	Description	Headlines	Date
1	Public transport	To provide students with broad knowledge of all transit mode properties and deep processes of quantifying quality of service and capacity for bus and rail modes.		Fall 2021
2	Traffic Engineering	To provide students with a basic knowledge and understanding of the methods and processes of traffic engineering. This includes data collection, basic traffic flow theory, and queuing theory; performance and design of highways, intersections, and tra		Fall 2021

3	Traffic Engineering	To provide students with a basic knowledge and understanding of the methods and processes of traffic engineering. This includes data collection, basic traffic flow theory, and queuing theory; performance and design of highways, intersections, and tra		Spring 2021
4	Analysis and Evaluation of Transportation Systems	To provide students with detailed methods of traffic assignment and enable them to estimate road traffic under various assumptions. The covered assumptions are a network with or without traffic congestion and whether or not demand is a function of su		Spring 2021
5	Traffic Engineering	To provide students with a basic knowledge and understanding of the methods and processes of traffic engineering. This includes data collection, basic traffic flow theory, and queuing theory; performance and design of highways, intersections, and tra		Fall 2020
6	Public transport	To provide students with broad knowledge of all transit mode properties and deep processes of quantifying quality of service and capacity for bus and rail modes.		Fall 2020