



curriculum vitae

PERSONAL INFORMATION

Surname	AMIRNAZMIAFSHAR
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Nationality	Iranian
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Date of birth	05, 01, 1992
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Education and training

Master of Science	
• Date (from – to)	11/02/2016-17/12/2018
• Name and type of organisation providing education and training	Istanbul Technical University (Its QS rank in Civil Engineering field in 2019: 100-150)
Duration of the program of study	2 years
• Principal subjects/occupational skills covered	Transportation System Analysis Transportation Economics Discrete Choice Modelling in Transportation Transportation Models Roadside Safety Design and Applications Transportation Projects Control and Managements

	Mathematical and Statistical Methods in Transportation Engineering Designing of Road and Airport Pavements Crash Analysis and Simulation Seminar
• Title of qualification awarded	Master of Science in Transportation Engineering
Final mark obtained	3.94 (Minimum is 3-Maximum is 4).

graduation thesis

Title	An analysis of pedestrian waiting time at uncontrolled crosswalks using discrete choice model
Language	English
Supervisor	Associate Professor Doctor Hüseyin Onur Tezcan
Thesis Summary	<p>Pedestrians are vulnerable road users of the traffic system. An uncontrolled mid-block crosswalk is a conflict area between pedestrians and vehicles where is the high-risk area for pedestrians. Pedestrian crossing behavior is analyzed to improve their safety while crossing the street and the provision of appropriate pedestrian facilities in the area. A study of pedestrians crossing behavior is conducted at an uncontrolled mid-block crosswalk in Istanbul-Turkey to model the pedestrians waiting time which is related to their behavior for making the crossing decision. This thesis focused on the issues encountered in the modeling of the operational behavior of pedestrians. Data are gathered by video recording from the pedestrians who did not know that the camera was recording their behavior.</p> <p>A comprehensive literature review is conducted for various parameters of pedestrians crossing behavior to decide for crossing the street. Most of these parameters and some additional parameters which are about the traffic characteristics and pedestrians characteristics are studied. Pedestrians waiting time and other related factors to their waiting time are extracted from the video recording of 618 pedestrians' behaviors and the traffic stream. The results of both the Kruskal-Wallis H test and Mann-Whitney test show that the pedestrians age can be classified into two groups, which do not come from the same population includes the elderly or young pedestrians. Also, the result of these tests presents that gender can be classified into two groups including males and females. The number of rejected vehicles by each pedestrian and the number of pedestrians start waiting at the same time at the curbside to cross the street is counted. Moreover, the average headway (the time between the front bumper of one vehicle and the front bumper of the next) of rejected vehicles by pedestrians is determined.</p> <p>The discrete choice framework is used because of its capacity to deal with individuals' choice behavior. Pedestrians waiting time is classified into three levels that include low, medium and high levels based on the level of service of pedestrians waiting time. The results of the model show that males do not prefer to have a high level of waiting time compared to females. Also, the probability of waiting time to be at the high level for the elderly pedestrians is higher than low level and the probability of being at the medium level of waiting time is more than being at the high level. The probability of waiting time to be at the high level is less than low and medium levels if the number of pedestrians who start waiting at the same time at the curbside to cross the street increases. Also, the higher the number of rejected vehicles by the pedestrians, the higher the probability of waiting time to be at a high level compared to the low and medium level. Furthermore, it is found that as much as the average of rejected vehicles which in this study, is assumed equal to 0 for pedestrians whose waiting time is 0 and for other pedestrians is from 1.25s to 5.01s is higher for the pedestrian, the probability of waiting time at the high level increases compared to the low and medium level..</p> <p>By knowing the results of this study, the urban transport planners and engineers can have a better understanding of pedestrians' behavior, create proper design guidelines and inform policy decisions.</p>

Bachelor of Science	
• Date (from – to)	23/09/2010-16/09/2014
• Name and type of organisation providing education and training	Oroumieh Branch of Islamic Azad university
Duration of the program of study	4
• Principal subjects/occupational skills covered	Civil Engineering
• Title of qualification awarded	Bachelor Degree
Final mark obtained	16.11 (12-20).

publications and articles submitted	
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Author(s) and title	Ehsan Amirnazmiafshar Title: Tramway dwell time estimation and analysis by using multiple linear regression method
Language	English
Publication place	European Journal of Engineering Science and Technology
Date of publication	01.01.2019/ DOI: http://doi.org/10.33422/EJEST.2019.01.49

Author(s) and title	Yavuz Delice, Halit Özen, Ehsan Amirnazmiafshar Title: Estimation of travel time in interzonal trips by using multiple linear regression model
Language	English
Publication place	European Journal of Engineering Science and Technology
Date of publication	01.01.2019/ DOI: http://doi.org/10.33422/EJEST.2019.01.50

Author(s) and title	Ehsan Amirnazmiafshar, Hüseyin Onur Tezcan Title: An analysis of pedestrian waiting time at uncontrolled crosswalks using discrete choice model
Language	English
Publication place	Transportation Letters Journal
Date of publication	Under review process

Author(s) and title	Yavuz Delice, Halit Özen, Ehsan Amirnazmiafshar Title: Estimation of travel time in interzonal trips by using multiple linear regression model
Language	English
Publication place	8th International Conference on Research in Engineering, Science and Technology, Sorbonne University in Paris, France
Date of publication	2nd of November 2018

Author(s) and title	Ehsan Amirnazmiafshar Title: Tramway dwell time estimation and analysis by using multiple linear regression method
Language	English
Publication place	8th International Conference on Research in Engineering, Science and Technology, Sorbonne University in Paris, France
Date of publication	3rd of November 2018

Author(s) and title	Yavuz Delice, Halit Özen, Ehsan Amirnazmiafshar Title: Suburban passenger's mode choice behavior based on trip purpose
Language	English
Publication place	529th international conference on tourism, transport and logistic (ICTTL) in Jerusalem, Israel
Date of publication	21, 01, 2019, http://worldresearchlibrary.org/proceeding.php?pid=2789

Author(s) and title	Yavuz Delice, Halit Özen, Ehsan Amirnazmiafshar Title: Analyzing model shift based on critical travel time for different trip purpose in medium-sized city
Language	English
Publication place	American Society of Civil Engineers (ASCE) for 2019 international conference on transportation and development in Alexandria, Virginia, June 10, 2019
Date of publication	It is accepted and will be published on 31, August, 2019

certifications

Certifications of language knowledge	IELTS exam, 09/02/2019, Overall Band Score: 6/9
Visual Testing Certificate	Mechanical Academy of UUT with the confirmation of the American Society for Non-Destructive Testing, January 2015, Composite Grade: 86.67/ 100
Writing Scientific ISI Papers	Completed a course on Writing Scientific ISI papers, March 2014

Work experience, stages, studies abroad

• Date (from – to)	01/02/2018-01/01/2019
• Name and address of firm/university	Yilmazlar Muhendislik Company Address: Birlik street, Nispetiye street, 34340 Beşiktaş/İstanbul, Turkey
• Type of business or sector	Engineering Company
• Type of employment	Employee
• Main activities and responsibilities	I have worked as a researcher on macro-simulation of Denizli city project

• Date (from – to)	01/09/2016-17/12/2018
• Name and address of firm/university	Istanbul Technical University Address: Ayazağa Yerleşkesi İnşaat Fakültesi Binası, Maslak, 34469 Sarıyer/İstanbul, Turkey
• Type of business or sector	University
• Type of employment	Tutor
• Main activities and responsibilities	I have taught some students 'Transportation System Analysis', 'Transportation Models' and 'Mathematical and Statistical Methods In Transportation Engineering' courses.

• Date (from – to)	01/02/2014-22/06/2014
• Name and address of firm/university	Oroumieh Branch of Islamic Azad University Address: Ayatollah Rafsanjani complex , On the 2th kilometer of airport Rd, Urmia Islamic Azad University
• Type of business or sector	University

• Type of employment	Teaching Assistant
• Main activities and responsibilities	Teaching assistant of professor Peyman Hamidi (Head of Engineering Department) in Principles of Geotechnical Engineering course

• Date (from – to)	01/07/2013-31/09/2013
• Name and address of firm/university	Ziba Makan Company Address: Daneshkadeh street, Oroumieh, Iran
• Type of business or sector	Civil Engineering Company
• Type of employment	Internship
• Main activities and responsibilities	I have worked as intern to learn practical aspects of my major and its technical sides such as the design techniques, map reading, and blueprint reviewing. The Uryad project is the biggest construction project in Northwest Iran. (Total project value: \$120,000,000)

Personal skills and competences

Mother tongue	Persian
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Other language(s)

	Azeri
• reading	Excellent
• writing	Excellent
• speaking	Excellent

	English
• reading	Good
• writing	Good
• speaking	Good

	Turkish
• reading	Excellent
• writing	Good
• speaking	Excellent

	Arabic
• reading	Good
• writing	Elementary
• speaking	Elementary

Social skills and competences <i>Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential</i>	<p>I have studied my master degree as a foreign student in Istanbul, Turkey. During this time, I have communication with students from different countries around the world such as American, European and African students at both university and dormitory. I have worked as a researcher in an expert research team at Yilmazlar Muhendislik Company. This opportunity has enhanced my communication, teamwork, leadership, and analytical thinking skills, and I also have learned</p>
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<i>(e.g. Culture and sports), etc.</i>	to work effectively under pressure. Hence, the ability to adapt to multicultural environments gained through my graduate study in Istanbul, Turkey as a foreign student. Also, team spirit, obtained through participation in different research projects during the academic career and in various committees of the employers' institutions. Moreover, communication skills gained through various presentations I have had during my academic career and especially the progress reports of my research project at the company.
Organisational skills and competences <i>E.g. coordination and management of people, projects and budgets; at work, in voluntary work (e.g. culture and sports) and at home, etc.</i>	I am a professional chess player (ranked third place among players in West and Northwest Iran in 2006). Also, I am one of the first instructors of Brailletonik in Iran. I have passed instructor course and received certification from Iran Federation of sports, Aerobics and Fitness president. My other interests are playing football, tennis, skating. Also, I have worked as a volunteer products seller in Omid Charity. Furthermore, project and team management skills learned through working on Denizli city project. Besides, the organizational skills gained through preparation and implementation of undergraduate and graduate courses, organizing research work activities.
Technical skills and competences <i>With computers, specific kinds of equipment, machinery, etc.</i>	Python and machine learning at the basic level, Discrete choice model, Regression Analysis, Trip-Based Modeling (4-step model theory), nlogit, Limdep, LS-DYNA, EasyFit and Proficient in SPSS and Microsoft Office software packages such as Word, Excel, and PowerPoint.
Artistic skills and competences <i>Music, writing, drawing etc.</i>	My interests are playing Guitar, and composing poetry.
Honours and awards:	Undergraduate and Graduate Valedictorian, (2010-2018) Graduate School Scholarship (Birkokler Bursu), (2016) Certificate of Appreciation for designing a new gas leak warning system from Khwarizmi Youth Festival, (2009) Membership of National Organization for Development of Exceptional Talents (NODET), 2003-2010 (High school)
References:	Assoc.Prof.Dr. Hüseyin Onur Tezcan (Supervisor) Email address: tezcanhu@itu.edu.tr Prof.Dr. Ali Osman Atahan Email address: atahana@itu.edu.tr