Curriculum Vitae

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Maen Qaseem Ghadi

Assistant professor at Al-Zaytoonah University of Jordan, Jordan

Civil and Infrastructure Engr. Dept. /Faculty of Engr. & Technology

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Personal Information

- Nationality: Jordanian
- Date of Birth: March 24-1989
- Place of Birth: Amman - Jordan

- Social Status: Single
- Gender: Male
- Address: Amman - Jordan

Education

- **(2016-2021) PhD Degree in Transportation Engineering**

  Budapest University of Technology and Economics, Budapest/ Hungary.

- **(2013-2015) MSc Degree in Transportation Engineering:**

  Jordan University of Science and Technology (Irbid-Jordan)

- **(2007-2011) BSc Degree in Civil Engineering:** Mutah University of Jordan (Karak-Jordan)

- **(2006-2007) Secondary School** Certificate (Tawjihi) **(90.1%)** Amman-Jordan

Work experiences

- **(March 2021-now)**　　　**Assistant professor at Al-Zaytoonah University of Jordan, Jordan**
- (Feb. 2019-Mar. 2020)　　Research assistance (Smart mobility project)/ BME University, Hungary.
- (Sep. 2016-2017)　　　　Lecturer/ Engineering Department/ BME University, Hungary.
- (March 2012-2013)　　　Civil Engineer/ Ministry of Public Works and Housing/ Jordan
- (2011-2012)　　　　　　Civil Engineer/ Salah Al-Hjaj Contracting Company/ Jordan

Languages

- English: Fluent
- Arabic: Native language
- German: B1
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Training Courses

- ArcGIS (spatial analysis)
- Python (data mining)
- NetLogo (Agent-based)
- IBM SPSS Statistics

- PTV Vissim and Visum (intermediate)
- R-Package for Statistical Computing
- Microsoft Access

Teaching courses

- Decision making methods for transportation engineering: Budapest University, Hungary.
- Probability and statistics for engineering: Al-Zaytoonah University of, Jordan.
- Traffic engineering: Al-Zaytoonah University of, Jordan.
- Highway and pavement design: Al-Zaytoonah University of, Jordan.
- Surveying for engineers: Al-Zaytoonah University of, Jordan.

Published or accepted Research Articles

- Ghadi, M. Q., Ahmad, H. and Jannoud, I. (2023) 'Influence of Traffic Characteristics on Pavement Performance of Parking Lots', Infrastructures, 8(4), p. 65. doi: 10.3390/infrastructures8040065.
- Ghadi, M. Q. (2023) 'Decoding Vehicle Motion Data on the Internal Network', The Open Transportation Journal, 17(1). doi: 10.2174/18744478-v17-e230111-2022-37.
- Ghadi, M. et al. (2021) 'A new methodology for analyzing vehicle network topologies for critical hacking', Journal of Ambient Intelligence and Humanized Computing., doi: 10.1007/s12652-020-02522-w
- Shatanawi, M., Ghadi, M., & Mészáros, F. (2021). Road pricing adaptation to era of autonomous and shared autonomous vehicles: Perspective of Brazil, Jordan, and Azerbaijan. Transportation Research Procedia. https://doi.org/10.1016/j.trpro.2021.06.033
- Ghadi, M. and Török, Á. (2019) 'A comparative analysis of black spot identification methods and road accident segmentation methods', Accident Analysis & Prevention, 128, pp. 1–7. doi: 10.1016/j.aap.2019.03.002.
- Ghadi, M. Q. and Török, Á. (2019) 'Comparison of Different Road Segmentation Methods', PROMET - Traffic&Transportation, 31(2), pp. 163–172. doi: 10.7307/ptt.v31i2.2937.
- Ghadi, M., Török, Á. and Tánczos, K. (2018) 'Integration of Probability and Clustering Based Approaches in the Field of Black Spot Identification', Periodica Polytechnica Civil Engineering. doi: 10.3311/PPci.11753.
- Ghadi, M., Török, Á. and Tánczos, K. (2018b) 'Study of the Economic Cost of Road Accidents in Jordan', Periodica Polytechnica Transportation Engineering, 46(3), pp. 129–134. doi: https://doi.org/10.3311/PPtr.10392.

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International confrences

- Ghadi, M. Multilevel Analysis of Road Accident Frequency: The Impact of the Road Category. In TRB 2020 - 99th Annual Meeting. Accepted.
- Ghadi, M. and Török, Á. (2017) 'Comparison Different Black Spot Identification Methods', in Transportation Research Procedia, pp. 1105–1112. doi: 10.1016/j.trpro.2017.12.104.
- Ghadi, M., & Török, Á. (2018). A comparative analysis of spatial clustering segmentation method of road accidents. In 8th International Scientific Conference CMDTUR (pp. 95–100). Zilina: University of Zilina.
- Ghadi, M., Török, Á. (2018) "Development of Safety Performance Function for Highway by Cluster Analysis Segmentation Approach", In Conference on Transport Sciences (pp. 265–270). Győr: Széchenyi István University, Hungary.
- Ghadi, M., Török, Á., Zsolt, S. (2018) "Analysis of Traffic Accident Black Spots: an Application of Spatial Clustering Segmentation Method", In East-West Cohesion III. International Scientific Conference. Dunaújváros: University of Dunaújváros, Hungary.

Published Scientific Books

- Tánczos, K. et al. (2018) Decision Making Methods in Transportation, Decision Making Methods in Transportation. Akadémiai Kiadó. doi: 10.1556/9789630599399.

Research Interests

- Road safety and accident prevention
- Statistical analysis and data mining technique
- Autonomous vehicles and traffic control
- Autonomous vehicles and sustainability
- Autonomous vehicles and cybersecurity
- Road toll and congestion control
- Traffic and transportation research
- Agent-based modeling