CURRICULUM VITAE

1- Personal Details

Name : Mahmoud Mohamed Ahmed Owais
Date of Birth : 1/10/1987
Nationality : Egyptian
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2- Area of specialization:

Major	Civil Engineering
Minor	Transportation Planning

3- Education & Qualifications

Date	Degree	University name	Country	Title of the Dissertation
2009	Bachelor	Assiut University	Egypt	Senior design in Highways
2011	Master	Assiut University	Egypt	Evaluation and Analysis of Urban Passengers Transport Modes Operation Performance Suitable for Medium Size Cities Population
2014	Ph.D.	Assiut University	Egypt	Investigating Optimal Bus Routes: Planning and Operation in Urban Areas

4- Professional Activities:

Job Title	Place	Country	From	To
Assistant Professor	Majmaah University	KSA	2017	Till now
Associate Professor	Assiut University	Egypt	2020	Till now
Assistant Professor	Assiut University	Egypt	2014	2020
Assistant lecturer	Assiut University	Egypt	2011	2014
Demonstrator	Assiut University	Egypt	2009	2011

5- Teaching Experiences

#	Teaching Experiences	University	From	To
1	Traffic – Transportation – Pavement – Railways	Majmaah University	2017	Till now
2	Traffic – Transportation – Pavement – Railways	Assiut University	2010	2017

6- Areas of Specialization

#	Areas of Specialization
1	Public Transportation - Combinatorial Optimization - Heuristics and Meta-heuristics -Transportation data modeling and simulation - Traffic Micro-Simulation - Statistics and theory of probability- Artificial Intelligence& Machine Learning – Neural Networks and Deep Learning- Traffic Engineering Operation Management & Control - Geographic Information Systems.

7- Current membership in professional organizations

#	Membership	ID
1	Web of Science Researcher and reviewer	U-2480-2019

8- Publications (most important publications in the last 5 Years)

#	Publications / Presentations	Journal (Conference)	Publishing Year (Conference Date)
1	Multi-Objective Transit Route Network Design as Set Covering Problem	IEEE	2015
2	Incorporating Dynamic Bus Stop Simulation into Static Transit Assignment Models	Springer	2016
3	Complete hierarchical multi-objective genetic algorithm for transit network design problem	Elsevier	2018
4	Sensor location model for O/D estimation: Multi-criteria meta heuristics approach	Elsevier	2019
5	Location Strategy for Traffic Emission Remote Sensing Monitors to Capture the Violated Emissions	Wiley	2019
6	A Robust Deep Learning Architecture for Traffic Flow Estimation from a Subset of Link Sensors	ASCE	2020
7	Pareto Optimal Path Generation Algorithm in Stochastic Transportation Networks	IEEE	2020
8	When to Decide to Convert a Roundabout to a Signalized Intersection: Simulation Approach for Case Studies in Jeddah and Al-Madinah	Springer	2020
9	Distributing Portable Excess Speed Detectors in AL Riyadh City	Springer	2020
10	Pre-trained deep learning for hot-mix asphalt dynamic modulus prediction with laboratory effort reduction	Elsevier	2020

9- MAJOR RESEARCH PROJECTS

#	Research Project	Status (Now/Finished)	Funded by
1	Internal Grant from Majmaah University under project No. R. 1441-73 to present an approach for deciding when to convert a roundabout to a signalized intersection.	Finished	Majmaah University
2	Internal Grant from Majmaah University under project No. 1440-14 to design a methodology for solving the traffic sensors location problems.	Finished	Majmaah University
	Internal Grant from Majmaah University under project No. 1439-53 to present an approach for intelligent transportation systems in the Makah area.	Finished	Majmaah University