



HOSSAM SAYEL OQLAH ALMAHASNEH

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Computer Science

Academic Rank: Assistant Professor

Membership:

1	Founding member of the Society for the Artificial Intelligence and Entrepreneurship
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Qualifications:

1	Ph.D (Doctor of Philosophy) –Electrical and Electronic Engineering / Artificial Intelligence
2	Master of Science - Information Technology (Msc. IT).
3	Bachelor of Information technology/ Software Engineering .



Teaching Experience:

#	From	to	Job description
1	26/03/2023	Until now	a faculty member at Zarqa University
2	2020	2021	Faculty Member at Jordan University of Science and Technology (Part-time)
3	2018	2021	Affiliated Research Member at the University of Sharjah
4	2018	2021	faculty member at Hamdan Bin Mohammed Smart University (part-time)
5	2010	2017	Teaching Assistant at Petronas University of Technology

Publications:

#	Title	Publisher	Year/ Issue (Vol/No)
.1	Frontal lobe real-time EEG analysis using machine learning techniques for mental stress detection	Journal of Integrative Neuroscience	2022/1/28
.2	Driver Drowsiness Detection System Using Deep Learning Based on Visual Facial Features	2021 14th International Conference on Developments in eSystems Engineering (DeSE)- IEEE	2021/12/7
.3	Selecting maintenance practices based on environmental criteria: a comparative analysis of theory and practice in the public transport sector in UAE/DUBAI	International Journal of System Assurance Engineering and Management	2020/12
.4	<i>Variation in Brain's Effective Connectivity due to Driving using Partial Directed Coherence</i>	2018 IEEE International Conference on Automatic Control and Intelligent Systems (I2CACIS)- IEEE	2018/10/20
.5	<i>QUANTITATIVE ASSESSMENT OF DRIVER COGNITIVE DISTRACTION USING EEG SIGNAL</i>	Universiti Teknologi PETRONAS	2017
.6	EEG-based brain functional connectivity during distracted driving	2015 IEEE International Conference on Signal and Image Processing Applications (ICSIPA)	2015/10/19
.7	r-principal subspace for driver cognitive state classification	2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)	2015
.8	Topographic map analysis for driver cognitive distraction	2014 IEEE Conference on Biomedical Engineering and Sciences (IECBES)	2014



.9	Deep in thought while driving: An EEG study on drivers' cognitive distraction	Transportation Research Part F: Traffic Psychology and Behaviour - Elsevier	2014/9
.10	EEG based Driver Cognitive Distraction Assessment	2014 5th International Conference on Intelligent and Advanced Systems (ICIAS)	2014
.11	Comparison Between the Bees Algorithm and Genetic Algorithm Model in Manpower Allocation on Cell Loading Problem	Universiti Utara Malaysia	2010
.12	Development of Drivers' Psychophysiological State Detection Measures and Relevant Machine Learning Methods	7th North American International Conference on Industrial Engineering and Operations Management, Orlando, Florida, USA, June 12-14, 2022	2022

Books:

#	Book Title	Publisher	Year
.1			
.2			
.3			
.4			
.5			

Translated Books:

#	Book Title	Publisher	Year
.1			

Articles:



#	Article Title	Publisher	Year
.1			



Conferences:

#	Paper Title	Organizing Institution	Conference
.1	Driver Drowsiness Detection System Using Deep Learning Based on Visual Facial Features	UNIVERSITY OF SHARJAH	2021 14th International Conference on Developments in eSystems Engineering (DeSE)- IEEE
.2	EEG based Driver Cognitive Distraction Assessment	Universiti Teknologi PETRONAS	2014 5th International Conference on Intelligent and Advanced Systems (ICIAS)
.3	Variation in Brain's Effective Connectivity due to Driving using Partial Directed Coherence	Universiti Teknologi MARA	2018 IEEE International Conference on Automatic Control and Intelligent Systems (I2CACIS)- IEEE
.4	EEG-based brain functional connectivity during distracted driving	IEEE Signal Processing Society Malaysia Chapter	2015 IEEE International Conference on Signal and Image Processing Applications (ICSIPA)
.5	r-principal subspace for driver cognitive state classification	IEEE Engineering in Medicine and Biology Society (EMBC)	2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)
.6	Topographic map analysis for driver cognitive distraction	IEEE-EMBS Malaysia Chapter	2014 IEEE Conference on Biomedical Engineering and Sciences (IECBES)
.7	Development of Drivers' Psychophysiological State Detection Measures and Relevant Machine Learning Methods	Florida Polytechnic University	7th North American International Conference on Industrial Engineering and Operations Management, Orlando, Florida, USA, June 12-14, 2022



Supervision of Theses:

#	Year	University	Thesis Title	Student Name
.1	2017	UAE University	Unlocking Innovation through Social Media Usage: A Study in UAE –	Maher Shirah
.2	2017	SBS Swiss Business School	The readiness of Jordanian Islamic Banks for ISO 31000:2009 standard Implementation for Non-Financial Operational Risks (NFOR)	Hamzah alqaderi
.3	2019	Birmingham Business School	Impact of Digitalization in Improving It Help Desk Services within RTA	Moath Herzallah
.4	2019	Mohammed bin Rashid School of government	Governance under the Digital Transformation of Smart Government Services	Jasem Karam
.5	2019	University of Sharjah	Selecting Maintenance Practices Based on Environmental Sustainability Criteria; a Framework and a Case Study from Public Transport Sector in Dubai/UAE -	Eyad Alawaishah
.6	2020	Manchester University	Digital Transformation-based Artificial Intelligence for	Hisham Abu Turki



			Supporting Smart Police Station in Dubai Police	
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Community Service Activities

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Personal Information

Name	Hossam Almahasneh	
Place and Date of Birth	UAE – 15/11/1983	
Nationality	Jordanian	
Marital Status	Single	
Address	Amman	
Work Tel No.	053821100	Sub: 1554
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Postal Address	P.O. Box: 13132	JordanZarqa 13132