



G Hassan Samara

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Computer Science

Academic Rank: Associate Professor

Membership:

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Qualifications:

1	Ph.D (Doctor of Philosophy) – Computer Networks
2	Master of Computer Science.
3	Bachelor of Computer Science.



Teaching Experience:

#	From	to	Job description
1	01/03/2023	Now	Vice Dean of Faculty of Information Technology Associate Professor Zarqa University Jordan
2	02-09-2019	28-2-2023	Head of Computer Science Department Associate Professor Department of Computer Science (CS) Faculty of Information Technology Zarqa University Jordan
3	002-9-2015	01-09-2019	Head of Internet Technology Department Assistant Professor Department of Internet Technology Faculty of Information Technology Zarqa University Jordan
4	02-9-2012	01-09-2015	Assistant Professor Department of Computer Science (CS) Faculty of Information Technology Zarqa University Jordan



Publications:

#	Title	Publisher	Year/ Issue (Vol/No)
.1	IoT Forensic Frameworks (DFIF, IoTDOTS, FSAIoT): A Comprehensive Study	<i>International Journal of Advances in Soft Computing</i>	2022
.2	Energy Balancing Algorithm For Wireless Sensor Network.	<i>Journal Of Theoretical And Applied Information Technology</i>	2022
.3	Lane prediction optimization in VANET.	<i>Egyptian Informatics Journal</i>	2021
.4	An Intelligent Vice Cluster Head Election Protocol in WSN	<i>International Journal of Advances in Soft Computing</i>	2021
.5	Early detection of skin cancer using deep learning approach.	<i>Elementary Education Online</i>	2021
.6	Intelligent reputation system for safety messages in VANET	<i>IAES International Journal of Artificial Intelligence</i>	2020
.7	Optimal Number of Cluster Heads in Wireless Sensors Networks Based on LEACH	<i>International Journal of Advanced Trends in Computer Science and Engineering</i>	2020
.8	Energy-Efficiency Routing algorithms in Wireless Sensor Networks: a Survey	<i>International Journal Of Scientific & Technology Research</i>	2019
.9	An Improved CF-MAC Protocol for VANET	<i>the International Journal of Electrical and Computer Engineering</i>	2019
.10	Efficient Energy, Cost Reduction, and QoS based routing protocol for Wireless Sensor Networks	<i>the International Journal of Electrical and Computer Engineering</i>	2019



.11	Aware-Routing Protocol using Best First Search Algorithm in Wireless Sensor	<i>The International Arab Journal of Information Technology</i>	2018
.12	An Efficient Collision Free Protocol for VANET	<i>International Journal of Computer Applications</i>	2018
.13	An Intelligent Routing Protocol in VANET	<i>the International Journal of Ad Hoc and Ubiquitous Computing</i>	2018
.14	Low Cost ZigBee Sensor Network Architecture for Indoor Air Quality Monitoring	<i>International Journal of Computer Science and Information Security</i>	2017
.15	A Practical Approach for Detecting Logical Error in Object Oriented Environment,	<i>World of Computer Science and Information Technology Journal</i>	2017
.16	Mobile Station-Controlled Handover Scheme in Mobile WiMAX: Case Study	<i>International Journal of Computer Applications</i>	2015
.17	Coordinator Location Effects in AODV Routing Protocol in ZigBee Mesh Network	<i>International Journal of Computer Applications</i>	2015
.18	Congestion Control Approach based on Effective Random Early Detection and Fuzzy Logic	<i>MAGNT Research Report</i>	2015
.19	Mathematical Modeling and Analysis of ZigBee Node Battery Characteristics and Operation	<i>MAGNT Research Report</i>	2015
.20	The Development of Wireless Communication Systems from Zero Generation to Fifth Generation - A survey	<i>International Journal of Sciences & Applied Research</i>	2015
.21	Improved Routing Performance in Sensor Networks Using Virtual Coordinates (Survey)	<i>International Journal of Sciences & Applied Research</i>	2015



.22	TCP and UDP QoS Characteristics on Multiple Mobile Wireless LAN	<i>International Journal of Sciences & Applied Research</i>	2015
.23	Security Issues in Vehicular Ad Hoc Networks (VANET): a survey	<i>International Journal of Sciences & Applied Research</i>	2015
.24	Deploying an Efficient Safety System for VANET	<i>The World of Computer Science and Information Technology Journal</i>	2015
.25	New Strategy for Cache Replacement in Manets	<i>Global Journal of Advanced Research</i>	2015
.26	Intelligent Emergency Message Broadcasting in VANET Using PSO	<i>The World of Computer Science and Information Technology Journal</i>	2014
.27	Performance Analysis of Dynamic Source Routing Protocol	<i>Journal of Emerging Trends in Computing and Information Sciences</i>	
.28	Power Control Protocols in VANET	<i>European Journal of Scientific Research</i>	2013
.29	Dynamic Safety Message Power Control in VANET Using PSO	<i>World of Computer Science and Information Technology Journal</i>	2013
.30	A Prototype Navigation System for Guiding Blind People Indoors using NXT Mindstorms	<i>International Journal of Online Engineering</i>	2013
.31	Survey on security challenges in VANET	<i>International Journal of Computer Science and Network</i>	2013
.32	An Indoor Fingerprinting Localization Approach for ZigBee Wireless Sensor Networks	<i>European Journal of Scientific Research</i>	2013

.33	Certificate Revocation Management in VANET	<i>International Journal of Cyber-Security and Digital Forensics</i>	2012
.34	Message Broadcasting Protocols in VANET	<i>Information Technology Journal</i>	2012
.35	Increase Emergency Message Reception in VANET	<i>Journal of Applied Sciences</i>	2011
.36	Increasing Network Visibility Using Coded Repetition Beacon Piggybacking	<i>World Applied Sciences Journal</i>	2010
.37	Safety Message Power Transmission Control for VANET	<i>Journal of Computer Science</i>	2010
.38	A scheme in dense VANETs broadcast	<i>Journal of Applied Sciences</i>	2010
.39	Design of Simple and Efficient Revocation List Distribution in Urban areas for VANETs	<i>International Journal of Computer Science and Information Security</i>	2010

Books:

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

Translated Books:

#	Book Title	Publisher	Year
.1			



Articles:

#	Article Title	Publisher	Year
.1			



Conferences:

#	Paper Title	Organizing Institution	Conference
.1	Alarm System at street junctions (ASSJ) to avoid accidents Using VANET	IEEE	2021 Global Congress on Electrical Engineering (GC-ElecEng)
.2	General Countermeasures of Anti-Forensics Categories	IEEE	2021 Global Congress on Electrical Engineering (GC-ElecEng)
.3	Internet of Things Protection and Encryption: A Survey	IEEE	2021 22nd International Arab Conference on Information Technology (ACIT)
.4	Internet of Robotic Things: Current Technologies and Applications	IEEE	2021 22nd International Arab Conference on Information Technology (ACIT)
.5	Scheduling UET-UCT DAGs of Depth Two on Two Processors	IEEE	2021 22nd International Arab Conference on Information Technology (ACIT)
.6	Encryption for End-User Privacy: A Cyber-Secure Smart Energy Management System	IEEE	2021 22nd International Arab Conference on Information Technology (ACIT)



.7	Improving VANET's Performance by Incorporated Fog-Cloud Layer (FCL).	IEEE	2021 22nd International Arab Conference on Information Technology (ACIT)
.8	Wireless Sensor Network MAC Energy-efficiency Protocols: A Survey	IEEE	2020 21st International Arab Conference on Information Technology (ACIT)
.9	Aware-Routing Protocol using Best First Search Algorithm in Wireless Sensor Networks	IEEE	The 18th International Arab Conference on Information Technology (ACIT'2017)
.10	Wireless Sensor Networks Hierarchical Protocols	IEEE	The 8th International Conference on Information Technology (ICIT 2017).
.11	Applying ontological modeling on Quranic" nature" domain	IEEE	2016 7th International Conference on Information and Communication Systems (ICICS)
.12	Application Layer Protocols to Protect Electronic Mail from Security Threats	IEEE	Proceeding of The 7th International Conference on Information Technology, ICIT 2015



.13	Impact of Node Clustering on Power Consumption in WSN, A Comparative Study	IEEE	<i>Proceeding of The 7th International Conference on Information Technology, ICIT 2015</i>
.14	A New Security Mechanism for Vehicular Communication Networks	IEEE	<i>Proceeding of the International Conference on Cyber Security, CyberWarfare and Digital Forensic (CyberSec2012)</i>
.15	Security Analysis of Vehicular Ad Hoc Networks (VANET)	IEEE	<i>Proceeding of the 2nd International Conference on Network Applications (NETAPPS'10)</i>
.16	Security Issues and Challenges of Vehicular Ad Hoc Network	IEEE	<i>Proceeding of 4th International Conference on New Trends in Information Science and Service Science (NISS 2010)</i>
.17	Efficient Certificate Management in VANET	IEEE	<i>Proceeding of the 2nd International Conference on Future Computer and Communication (ICFCC 2010),</i>



Supervision of Thesis:

#	Year	University	Thesis Title	Student Name
.1	2016	Zarqa University	Congestion Control Approach based on Effective Random Early Detection and Fuzzy Logic.	Maimuna Khatary,
.2	2018	Zarqa University	Enhancing Wireless Sensor Networks Performance Using Intelligent Routing.	Mohammad Khawaldeh
.3	2017	Zarqa University	An Intelligent Energy Efficiency Clustering LEACH Algorithm	Munier Okor
.4	2016	Zarqa University	Power Sensitive Routing Algorithm for ZigBee Wireless Networks.	Abla Suliman
.5	2016	Zarqa University	Handover Enhancement for Mobile WiMAX Based on Mobile Movement and Base Stations Communications.	Emran Saleh
.6	2021	Zarqa University	An Intelligent Vice Cluster Head Election Algorithm and Clustering System for Optimizing Network Life and Improving Wireless Sensor	Yahya Zayed,



			Network Performance,	
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Community Service Activities

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Personal Information

Name	Ghassan Samara	
Place and Date of Birth	Amman-Jordan	
Nationality	Jordanian	
Marital Status	Married	
Address	Amman-Jordan	
Work Tel No.	053821100	Sub: 1820
Mobile:		
Postal Address	P.O. Box: 13132	JordanZarqa 13132