



د. غسان سمارة

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تكنولوجيا المعلومات / علم الحاسوب

الرتبة الأكاديمية: أستاذ مشارك

العضويات:

1.	
2.	
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المؤهلات العلمية:

1.	2012 : دكتوراه / حوسبة الشبكات اللاسلكية والنقالة
2.	2009 : ماجستير علم حاسوب
3.	2003 : بكالوريوس علم حاسوب
4.	1999 : شهادة الثانوية العامة (الفرع العلمي)

الخبرات التدريسية:

1.	2023/03/01	الآن	استاذ مشارك، نائب عميد كلية تكنولوجيا المعلومات
2.	2019 /10/11	28/02/2023	استاذ مشارك، رئيس قسم علم الحاسوب
3.	من 2015	إلى 2019	استاذ مساعد، رئيس قسم تكنولوجيا الانترنت
4.	من 2012	2015	استاذ مساعد، عضو هيئة تدريس في جامعة الزرقاء
5.			

الأبحاث المنشورة والمقبولة للنشر:

ت	عنوان البحث	جهة النشر	السنة والاصدار
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



2018	<i>International Journal of Computer Applications</i>	An Efficient Collision Free Protocol for VANET	.12
2018	<i>the International Journal of Ad Hoc and Ubiquitous Computing</i>	An Intelligent Routing Protocol in VANET	.13
2017	<i>International Journal of Computer Science and Information Security</i>	Low Cost ZigBee Sensor Network Architecture for Indoor Air Quality Monitoring	.14
2017	<i>World of Computer Science and Information Technology Journal</i>	A Practical Approach for Detecting Logical Error in Object Oriented Environment,	.15
2015	<i>International Journal of Computer Applications</i>	Mobile Station-Controlled Handover Scheme in Mobile WiMAX: Case Study	.16
2015	<i>International Journal of Computer Applications</i>	Coordinator Location Effects in AODV Routing Protocol in ZigBee Mesh Network	.17
2015	<i>MAGNT Research Report</i>	Congestion Control Approach based on Effective Random Early Detection and Fuzzy Logic	.18
2015	<i>MAGNT Research Report</i>	Mathematical Modeling and Analysis of ZigBee Node Battery Characteristics and Operation	.19
2015	<i>International Journal of Sciences & Applied Research</i>	The Development of Wireless Communication Systems from Zero Generation to Fifth Generation - A survey	.20
2015	<i>International Journal of Sciences & Applied Research</i>	Improved Routing Performance in Sensor Networks Using Virtual Coordinates (Survey)	.21
2015	<i>International Journal of Sciences & Applied Research</i>	TCP and UDP QoS Characteristics on Multiple Mobile Wireless LAN	.22
2015	<i>International Journal of Sciences & Applied Research</i>	Security Issues in Vehicular Ad Hoc Networks (VANET): a survey	.23
2015	<i>The World of Computer Science and Information Technology Journal</i>	Deploying an Efficient Safety System for VANET	.24

2015	<i>Global Journal of Advanced Research</i>	New Strategy for Cache Replacement in Manets	.25
2014	<i>The World of Computer Science and Information Technology Journal</i>	Intelligent Emergency Message Broadcasting in VANET Using PSO	.26
	<i>Journal of Emerging Trends in Computing and Information Sciences</i>	Performance Analysis of Dynamic Source Routing Protocol	.27
2013	<i>European Journal of Scientific Research</i>	Power Control Protocols in VANET	.28
2013	<i>World of Computer Science and Information Technology Journal</i>	Dynamic Safety Message Power Control in VANET Using PSO	.29
2013	<i>International Journal of Online Engineering</i>	A Prototype Navigation System for Guiding Blind People Indoors using NXT Mindstorms	.30
2013	<i>International Journal of Computer Science and Network</i>	Survey on security challenges in VANET	.31
2013	<i>European Journal of Scientific Research</i>	An Indoor Fingerprinting Localization Approach for ZigBee Wireless Sensor Networks	.32
2012	<i>International Journal of Cyber-Security and Digital Forensics</i>	Certificate Revocation Management in VANET	.33
2012	<i>Information Technology Journal</i>	Message Broadcasting Protocols in VANET	.34
2011	<i>Journal of Applied Sciences</i>	Increase Emergency Message Reception in VANET	.35
2010	<i>World Applied Sciences Journal</i>	Increasing Network Visibility Using Coded Repetition Beacon Piggybacking	.36
2010	<i>Journal of Computer Science</i>	Safety Message Power Transmission Control for VANET	.37
2010	<i>Journal of Applied Sciences</i>	A broadcast scheme in dense VANETs	.38

2010	<i>International Journal of Computer Science and Information Security</i>	Design of Simple and Efficient Revocation List Distribution in Urban areas for VANETs	.39
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الكتب المؤلفة:

ت	عنوان الكتاب	جهة النشر	السنة
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الكتب المترجمة:

ت	عنوان الكتاب	المؤلفين	جهة النشر	السنة
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المقالات:

ت	عنوان المقال	جهة النشر	السنة والاصدار
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المؤتمرات العلمية:

ت	اسم المؤتمر	الجهة المنظمة	عنوان البحث	فترة المؤتمر
1.	2021 Global Congress on Electrical Engineering (GC-ElecEng)	IEEE	Alarm System at street junctions (ASSJ) to avoid accidents Using VANET	2021
2.	2021 Global Congress on Electrical Engineering (GC-ElecEng)	IEEE	General Countermeasures of Anti-Forensics Categories	2021
3.	2021 22nd International Arab Conference on Information Technology (ACIT)	IEEE	Internet of Things Protection and Encryption: A Survey	2021
4.	2021 22nd International Arab Conference on Information Technology (ACIT)	IEEE	Internet of Robotic Things: Current Technologies and Applications	2021
5.	2021 22nd International Arab Conference on Information Technology (ACIT)	IEEE	Scheduling UET-UCT DAGs of Depth Two on Two Processors	2021
6.	2021 22nd International Arab Conference on Information Technology (ACIT)	IEEE	Encryption for End-User Privacy: A Cyber-Secure Smart Energy Management System	2021
7.	2021 22nd International Arab Conference on	IEEE	Improving VANET's Performance by Incorporated Fog-Cloud Layer (FCL).	2021

			Information Technology (ACIT)	
2020	Wireless Sensor Network MAC Energy-efficiency Protocols: A Survey	IEEE	2020 21st International Arab Conference on Information Technology (ACIT)	8
2017	Aware-Routing Protocol using Best First Search Algorithm in Wireless Sensor Networks	IEEE	The 18th International Arab Conference on Information Technology (ACIT'2017)	9
2017	Wireless Sensor Networks Hierarchical Protocols	IEEE	The 8th International Conference on Information Technology (ICIT 2017).	10
2016	Applying ontological modeling on Quranic" nature" domain	IEEE	2016 7th International Conference on Information and Communication Systems (ICICS)	11
2015	Application Layer Protocols to Protect Electronic Mail from Security Threads	IEEE	Proceeding of The 7th International Conference on Information Technology, ICIT 2015	12
2015	Impact of Node Clustering on Power Consumption in WSN, A Comparative Study	IEEE	Proceeding of The 7th International Conference on Information Technology, ICIT 2015	13
2012	A New Security Mechanism for Vehicular Communication Networks	IEEE	Proceeding of the International Conference on Cyber Security, CyberWarfare and Digital Forensic (CyberSec2012)	14

2010	Security Analysis of Vehicular Ad Hoc Networks (VANET)	IEEE	Proceeding of the 2nd International Conference on Network Applications (NETAPPS'10)	15
2010	Security Issues and Challenges of Vehicular Ad Hoc Network	IEEE	Proceeding of 4th International Conference on New Trends in Information Science and Service Science (NISS 2010)	16
2010	Efficient Certificate Management in VANET	IEEE	Proceeding of the 2nd International Conference on Future Computer and Communication (ICFCC 2010),	17

الإشراف على الرسائل الجامعية:

السنة	الجامعة	عنوان الرسالة	اسم الطالب	ت
2016	Zarqa University	Congestion Control Approach based on Effective Random Early Detection and Fuzzy Logic.	Maimuna Khatary,	.1
2018	Zarqa University	Enhancing Wireless Sensor Networks Performance Using Intelligent Routing.	Mohammad Khawaldeh	.2
2017	Zarqa University	An Intelligent Energy Efficiency Clustering LEACH Algorithm	Munier Okor	.3
2016	Zarqa University	Power Sensitive Routing Algorithm for ZigBee Wireless Networks.	Abla Suliman	

2016	Zarqa University	Handover Enhancement for Mobile WiMAX Based on Mobile Movement and Base Stations Communications.	Emran Saleh	
2021	Zarqa University	An Intelligent Vice Cluster Head Election Algorithm and Clustering System for Optimizing Network Life and Improving Wireless Sensor Network Performance,	Yahya Zayed,	

خدمة المجتمع:

الفترة	النشاط	ت
		1.
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المعلومات الشخصية:

الاسم			:	غسان عبدالكريم سمارة
مكان وتاريخ الميلاد			:	الأردن - 1981
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