

Curriculum Vitae

Personal Information

Name	Shadi R. Masadeh
Academic Rank	Full Professor / Cyber Security
Nationality	Jordanian
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Contact Information	
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Google scholar	https://scholar.google.com/citations?hl=en&user=wskm7PsAAAAJ



Academic Qualification

Degree	Major	Awarding University	Duration		Country
			From	Year of Awarding	
BSc	CIS	Philadelphia University	1996	2000	Jordan
MSc	CIS/Cybersecurity	AABFS	2001	2003	Jordan
PhD	CIS/Cybersecurity	AABFS	2005	2009	Jordan

Academic Experience

Duration (Years)	University	Position	Main Duties
2005–2006	Isra University	Lecturer	CIS Department
2009–2010	Isra University	Assistant Professor	CIS Department
2010–2012	Applied Science University	Assistant Professor	CNS Department
2012–2013	AL-Hussein Bin Talal University	Assistant Professor	CS Department

Curriculum Vitae

2013-2017	Isra University	Assistant Professor	CN & CIS Department
2017-2020	Isra University	Head of CIS and Cyber security Dept	CIS Department
2018	Isra University	Associate Professor	CIS & Cybersecurity Department
2022-Now	Isra University	Full Professor of Cyber security	Cyber security Department

Professional Experience

Duration (Years)	Institution	Job title	Main duties
2018-2019	Isra University	Cyber security program	Created the cyber security program in Isra university via prepared course outline, course descriptions and syllabuses.
2018-2019	Isra University	First Aid Robot	Creating First Aid Robot titled "Dr Isra Robot" that was funded from Isra University (4000 JOD).
2005-2007	MOE	ICT	Excellent experience in ICT education track in Jordan

Curriculum Vitae

			and other countries.
2008	Ministry of Interior	Parliament election	Manager in networking for the parliament election – Jordan.
2008	MOE	Elearning	Developed professional materials for testing and evaluating E-learning program in Jordan

Training Courses

Course	Organizer	Date	Participant/ instructor	language
ICDL	MOE	2003	Dr Shadi Masadeh	English
UJCDL	University of Jordan	2004		English
Cisco	MOE	2006	Dr Shadi Masadeh	English
MCAD.net	MOE	2007	Dr Shadi Masadeh	English

Publications

Paper title	Journal	ISSN	Vol. Issue	Year	Country
Recommendations Guide for WLAN Security	The Journal of ACM Journal (IJJ)	2078-7952 (print) 2078-7960 (online)	Volume.1 No.1	March 2010.	

Curriculum Vitae

A secure wifi system for wireless networks: an experimental evaluation	international Journal of Network Security	June 2010	Volume 2010, Issue 6	June 2010	
A Formal Evaluation of the Security Schemes for Wireless Networks	Research Journal of Applied Sciences, Engineering and Technology		3(09): 910-913.	2011	
Deploying a Web Client Authentication System Using Smart Card for E-Systems	Research Journal of Applied Sciences, Engineering and Technology		3(09): 948-952.	2011	
A secure wifi system for wireless networks: an experimental evaluation	international Journal of Network Security Volume 2010, Issue 6		Volume 2010, Issue 6, June 2010,	June 2010	
A Formal Evaluation of the Security Schemes for Wireless Networks	Research Journal of Applied Sciences, Engineering and Technology, 3(09):	3(09): 910-913, 2011		2011	
Deploying a Web Client Authentication System Using Smart Card for E-	Systems. Research Journal of Applied Sciences, Engineering and Technology, 3(09):	3(09): 948-952., 2011		2011	

Curriculum Vitae

A secure model for building e-learning systems. Network Security,	Volume2012 , Issue 1, January2012 ,	1, January 2012, Pages 17-20	Volume2012	2012	
Cloud computing challenges and Solutions ” International Journal of computer	networks and Communications (IJCNC) Vol.5, No.5, September 2013,	0974 - 9322[Online]; 0975 - 2293 [Print].	Vol.5, No.5, September 2013,	2013	
Novel Secure E-Contents System For Multi-Media Interchange Workflows In Elearning Environments”	International Journal of Computer Networks & Communications (IJCNC) Vol.5	0974 - 9322[Online]; 0975 - 2293 [Print].	Vol.5, No.5, September 2013	2013	
A Proposed Campus Building Process in Cloud Computing	International Journal of Computer Science and Telecommunications,	2047-3338.	Volume 4, Issue 6, June 2013	2013	
A Secure Data Transmission Mechanism for Cloud Outsourced Data	International Journal of Cloud Applications and Computing (IJCAC)	2156-1834, EISSN: 2156-1826	Volume 3, Issue 1, 2013	2013	

Curriculum Vitae

CPU Utilization for a Multiple Video Streaming over a fiber optic ATM-	Network when varying the Quality of Service” International Journal of Emerging Trends in Computing and Information Sciences,	(E-ISSN 2218-6301/ISSN 2079-8407).	Vol. 5 No. 4, April 2014	2014	
A Novel Paradigm In Authentication System Using Swifi Encryption	/Decryption Approach" The International Journal of Network Security & Its Applications (IJNSA),	ISSN : 0975 – 2307 EISSN : 0974 – 9330.	, Volume 6, Issue 1, 2014	2014	
Secure Communication: A Proposed Public Key Watermark System"	International Journal of Information Security and Privacy(IJIS P).	1930-1650; EISSN: 1930-1669	Volume 7, Issue 4 , 2014	2014	
Database Copyright Protection using Watermarking Arabic – Characters	International Journal of Advances in Computer Science and Technology(IJACST).		Vol.3 , No.11, P: 30 – 34 (2014) Special Issue of ICCECT 2014	2014	
A Performance Comparison of Ciphering Algorithms with the sWIFI Algorithm	International Journal of Advances in Computer Science and Technology (IJACST) ,Vol.3		Vol.3 , No.11, P: 35 – 39 (2014) 01- 02 December, 2014,Bangkok, Thailand.	2014	

Curriculum Vitae

"A Novel Polygon Cipher Technique using hybrid key Scheme "	International Journal of Computer Science and Information Security (IJCSIS) , VOL 14.	1947 5500 Copyright © IJCSIS, USA.	VOI 14. NO4 April 2016	2016	
A Novel Paradigm for Symmetric Cryptosystem	International Journal of Advanced Computer Science and Applications (ijacsa), 7(3),			2016	
Segmented Block Cipher Algorithm based on ASCII Codes	Journal of Computer Science (JCS) 2017, VOL 13 (12)	ISSN Print: 1549-3636, ISSN Online: 1552-6607	VOL 13 (12): 748.755	2017	
"Copyright Protection of Relational Database Systems"	The NDT2010 proceedings will be published in the "Communications in Computer and Information Science"	1865- 0929- (July 7-9 - 2010).		2010	
Visualizing and Processing Solar Images Efficiently",	International Journal of Science and Applied Information	ICCTE 2015 - Held during 23 – 24 November, 2015	Vol.4, No.5,	2015	
A novel secure system for E-Learning	Jordan Schools in MOE in Jordan Case Study", Vol.4,	ICCTE 2015 - Held during 23 – 24 November, 2015	Vol.4, No.5	2015	

Curriculum Vitae

A NOVEL AUTHENTICATION AND AUTHORIZATION MODEL BASED ON MULTIPLE ENCRYPTION	Journal of Theoretical and Applied Information Technology,	96(6): 1529-1537	31 st March 2018. Vol.96. No 6	2018	
Educational Video Classification Using Fuzzy Logic Classifier Based on Arabic Closed Captions	international Conference on Information, Communication and Computing Technology	133-138	Springer, Cham	2019	
Embedded key cryptosystem for cloud computing applications	ACM International Conference Proceeding Series	2018, 25	2018, 25	2018	
Lightweight cryptosystem for image encryption using auto-generated key	Journal of Engineering and Applied Sciences	13(17), pp. 7418–7425	13(17), pp. 7418–7425	2018	
Mathematical model for comparing performance evaluation of mobile agent platforms	Journal of Theoretical and Applied Information Technology	98(2), pp. 338–348	98(2), pp. 338–348	2020	

Curriculum Vitae

A Framework for the Generation of Class Diagram from Text Requirements using Natural language Processing	International Journal		Volume 10 Issue 1	2021	
Using a DNA tape as a key for encrypt images	International Journal of Electronic Security and Digital Forensics	373-387	Volume 14 Issue 4	2022	
Concerns from Cloud Security Issues: Challenges and Open Problems	International Journal	6-11	12(1).	2023	
A new encryption system for IoT devices using embedded key cryptosystem	International Journal of Electronic Security and Digital Forensics	56-65	15 (1)	2023	
A New Verification Process for Assessing Intended Learning Outcomes	International Journal	1-5	12(1).	2023	

Books

Book Title	Publisher	Country	Edition	Year
Keyless Self Encrypting/Decrypting Scheme for Multimedia Transporting Systems, Chapter at the "Multimedia Transcoding in Wireless and Mobile Networks	IGI Global, May 15, 2008, ISBN-10: 1599049856, ISBN-13: 978-1599049854	USA	1 st edition	2008

Curriculum Vitae

Block chain-Based Secure Transactions. In Handbook of Research on Block chain Technology and the Digitalization of the Supply Chain.	(pp. 86-112). IGI Global.	USA	1 st edition	(2023).
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Conference

Scope	Name	Organizer	Date	Country	Participation (attendance – participate)	Peer-Reviewed (Yes /No)
End to End Keyless Self Encrypting/Decrypting Streaming Cipher	Shadi R. Masadeh & Walid Salameh	Information Technology & National Security Conference , 2007,	2007		Participation	yes
Efficiency Testing of the Encryption System vs. Keyless Self Encrypting/Decrypting system.	Shadi R. Masadeh & Walid Salameh	International Arab Conference of e-Technology (IACe-T'2008), 2008,	2008		Participation	yes

Curriculum Vitae

A Comparison of Data Encryption Algorithms with the Proposed Algorithm: Wireless Security "	Shadi R. Masadeh, Shadi Aljawarneh and Nidal Turab	NCM2010: 6th International Conference on Networked Computing and Advanced Information Management, Seoul - Korea-2010	2010		Participation	yes
A study of secure deployment of wireless technology in the medical fields" Published in ISWSA '10 Proceedings of the 1st	Nidal Turab , Shadi Aljawarneh and Shadi R. Masadeh	International Conference on Intelligent Semantic Web-Services and Applications -			Participation	yes
The Impact of Web Applications On Decision-Making Process In the Public Sector"	Shadi R. Masadeh & Ayman Aburub	International Conference on Intelligent Semantic Web - Services and Applications (ISWSA 2010)	2010		Participation	yes

Curriculum Vitae

Towards better Interaction between Students and Lecturer in Computer Lab Environment through a different Lab Design: Survey Results	Ahmad Azzazi, Shadi R. Masadeh and Nidal Turab	EELU International conference on E-learning in the Arab world, Challenges and prospective of development,	2012		Participation	yes
Visualizing and Processing Solar Images Efficiently”, 2nd	Jamal Zraqou and Shadi R. Masadeh,	International Conference on Computing, Technology and Engineering (ICCTE 2015),	2015		Participation	yes
“A novel secure system for E-Learning: Schools in MOE in Jordan Case Study”,	Shadi R. Masadeh, Jamal Zraqou, & Mohamad Wadi,	2nd International Conference on Computing, Technology and Engineering (ICCTE 2015),	2015		Participation	yes

Research Interests

- Mobile applications and ICT
- Encryption and Decryption Systems
- E-Learning Management
- Wireless security and Cyber Crime
- Networking and Security Issues
- Security of Cloud Computing

Curriculum Vitae

Professional Memberships

ACM Member

IEEE Member

Languages

- Arabic – Native Language
- English – Excellent

Postgraduate Supervision

Title	supervisee
A Framework for the Generation of Class Diagram from Text Requirements using Natural language Processing	Prof. Shadi Masadeh
Implementation of a Decision Support System for Human Resources Evaluation and Selection	Prof. Shadi Masadeh
ADDRESSING & IMPROVING SECURITY FACTORS IN AGLETS	Prof. Shadi Masadeh
A New Encryption Method for Enhancing Mobile Agent Security Based on Aglets Platform	Prof. Shadi Masadeh

Postgraduate Vivas (External Examiner)

Title	supervisee
PhD Thesis " PACKET SCHEDULING IN UNDERWATER NETWORKS BASED ON MODIFIED ENERGY-EFFICIENT PRIORITY BACKPRESSURE AND PEAK AGE OF INFORMATION WITH ADDITIONAL SECURITY"	Student Name : A.CAROLINE MARY Supervisor :Dr.A.V.Senthil Kumar
PhD Thesis "ALZHEIMER'S DISEASE PREDICTION AND CLASSIFICATION USING DEEP LEARNING TECHNIQUES BASED ON MRI"	Student Name : Ambili AV Supervisor :Dr.A.V.Senthil Kumar

Curriculum Vitae

PhD Thesis "ENERGY EFFICIENT FRAME WORK TO ENHANCE THE LIFETIME IN WIRELESS SENSOR NETWORKS"	Student Name : POORNIMHA J Supervisor :Dr.A.V.Senthil Kumar
PhD Thesis "NOVEL FRAMEWORK TO ENHANCE ENERGY EFFICIENCY AND LIFE TIME IN WIRELESS SENSOR NETWORKS	Student Name : Karthik R S Supervisor :Dr M Nagarajan

Honors/Awards

- Creating First Aid Robot titled “Dr Isra Robot “that was funded from Isra University (4000 JOD).