

2016-2021 AACSB CV

Majdi Rawashdeh

Associate Professor – Business Information Technology Department

AACSB Status: SA

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جامعة سمىة
Princess Sumaya
University
الأميرة سمىة
for Technology
التكنولوجيا

RESEARCH PROFILE

Profile	Link	No. of Citations	h-index
Google Scholar	https://scholar.google.ca/citations?user=tHlgWBEEAAAJ&hl=en&oi=ao	813	17
Scopus ID	35311823500	510	15

EDUCATION

Year	Degree	Major	Institution
2014	PhD	Computer Science	University of Ottawa, Canada
2009	M.Sc.	Computer Science	University of Ottawa, Canada
1994	B. Sc.	Computer Science	Yarmouk University, Jordan

ACADEMIC POSITIONS

Year	Academic Title	Institution
12/2019 – Present	Associate Professor	Princess Sumaya University for Technology, Jordan
09/2015 – 12/2019	Assistant Professor	Princess Sumaya University for Technology, Jordan
10/2014 – 09/2015	Postdoctoral Research Fellow	New York University Abu Dhabi, UAE
05/2014 – 10/2014	Postdoctoral Research Fellow	University of Ottawa, Canada
01/2014 – 04/2014	Research Associate	Qatar University, Qatar
09/2011 – 05/2012	Lecturer	University of Ottawa, Canada
01/2010 – 08/2011	Teaching Assistant	University of Ottawa, Canada
09/2009 – 12/2009	Lecturer	University of Ottawa, Canada
1/2008 – 07/2009	Research Assistant	University of Ottawa, Canada
1/2003 – 06/2005	Teaching Assistant	University of Ottawa, Canada
09/1998 – 06/1999	Teaching Assistant	Long Island University, USA

ADMINISTRATIVE POSITIONS

Year	Title	Institution
09/2017 – 09/2019	Chair of the Business Information Technology Department	Princess Sumaya University for Technology, Jordan

PROFESSIONAL CERTIFICATIONS & MEMBERSHIPS

Year	Certification	Institution

BOOKS/BOOK CHAPTERS – 5 Years

Year	Book/Chapters	Indexing
2016	Alnusair, A., Rawashdeh, M. , Hossain, M.A., Alhamid, M.F. (2018). Utilizing Semantic Techniques for Automatic Code Reuse in Software Repositories. In: Rubin, S., Bouabana-Tebibel, T. (eds) Quality Software Through Reuse and Integration. FMI IRI 2016 2016 2016. Advances in Intelligent Systems and Computing, vol 561. Springer, Cham. https://doi.org/10.1007/978-3-319-56157-8_3	Scopus

JOURNAL PUBLICATIONS – 5 Years

Year	Journal Publications	Article Classification (Basic, Applied, Teaching)	Indexing	Quartile
2022	Nadia Tweit, Muath A Obaidat, Majdi Rawashdeh , Abdalraoof K Bsoul, Mohammed GH Al Zamil, "A Novel Feature-Selection Method for Human Activity Recognition in Videos", Electronics, 2022	Applied	ISI/Scopus	
2022	Majdi Rawashdeh , Yazan Alshboul, Mohammed GH AL Zamil, Samer Samarah, Awny Alnusair, M Shamim Hossain, "A security framework for QaaS model in intelligent transportation systems", Microprocessors and Microsystems, 2022	Applied	ISI/Scopus	
2021	Kazi Nabiul Alam, Md Shakib Khan, Abdur Rab Dhruha, Mohammad Monirujjaman Khan, Jihad F. Al-Amri, Mehedi Masud, Majdi Rawashdeh , "Deep Learning-Based Sentiment Analysis of COVID-19 Vaccination Responses from Twitter Data", Computational and Mathematical Methods in Medicine, vol. 2021, Article ID 4321131, 15 pages, 2021	Applied	ISI/Scopus	
2021	Majdi Rawashdeh , Mohammed G.H. Al Zamil, Samer M. Samarah, Muath Obaidat, Mehedi Masud, IOT-based service migration for connected	Applied	ISI/Scopus	

	communities, Computers & Electrical Engineering, Volume 96, Part B,2021			
2021	Alaa Alarood, Nedal Ababneh, Mahmoud Al-Khasawneh, Majdi Rawashdeh , Mohammad Al-Omari. IoTSteg: ensuring privacy and authenticity in internet of things networks using weighted pixels classification based image steganography. Cluster Comput (2021)	Applied	ISI/Scopus	
2021	Nonita Sharma, Monika Mangla, Sachi Nandan Mohanty, Deepak Gupta, Prayag Tiwari, Mohammad Shorfuzzaman, Majdi Rawashdeh , A smart ontology-based IoT framework for remote patient monitoring, Biomedical Signal Processing and Control, Volume 68,2021	Applied	ISI/Scopus	
2021	Mohammad Al-Omari, Majdi Rawashdeh , Fadi Qutaishat, Mohammad Alshira'H, Nedal Ababneh. An Intelligent Tree-Based Intrusion Detection Model for Cyber Security. Journal of Network and Systems Management 29, 20 (2021). https://doi.org/10.1007/s10922-021-09591-y	Applied	ISI/Scopus	
2020	Majdi Rawashdeh , Mohammed GH. Al Zamil, Samer Samarah, M. Shamim Hossain, Ghulam Muhammad, A knowledge-driven approach for activity recognition in smart homes based on activity profiling, Future Generation Computer Systems, Volume 107, 2020, Pages 924-941,	Applied	ISI/Scopus	
2020	Obaidat, Muath, Joseph Brown, Suhaib Obeidat, and Majdi Rawashdeh . 2020. "A Hybrid Dynamic Encryption Scheme for Multi-Factor Verification: A Novel Paradigm for Remote authentication" Sensors 20, no. 15: 4212. https://doi.org/10.3390/s20154212	Applied	ISI/Scopus	
2019	AL Zamil, M., Samarah, S. , Rawashdeh, M. , Karime, A. & Hossain, M. (2019). Multimedia-oriented action recognition in Smart City-based IoT using multilayer perception. <i>Multimedia Tools and Applications</i> , 1-15, 2019.	Applied	ISI/Scopus	
2019	Rawashdeh, M., Alnusair, A. Models for Multimedia Mobile Cloud in Smart Cities. <i>Multimedia Systems</i> 25, 525–534 (2019). https://doi.org/10.1007/s00530-017-0552-y	Applied	ISI/Scopus	
2019	Al Zamil, M., Samarah, S., Rawashdeh, M. , Shamim Hossain, M., Alhamid, M., Guizani, M. & Alnusair, A. (2019). False Alarm Detection in Fog-Based Internet of Connected Vehicles, <i>IEEE Transactions on Vehicular Technology</i> .	Applied	ISI/Scopus	

2019	Al-Hami, M., Lakaemper, R., Rawashdeh, M. & Shamim Hossain, M. (2019). Camera localization for a human-pose in 3D space using a single 2D human-pose image with landmarks: a multimedia social network emerging demand, <i>Multimedia Tools and Applications</i> , 78 (3), 3587-3608.	Applied	ISI/Scopus	
2018	Samarah, S. , AL Zamil, M., Rawashdeh, M. , Hossain, M. , Muhammad, G. & Alamri, A. (2018). Transferring activity recognition models in FOG computing architecture, <i>Journal of Parallel and Distributed Computing</i> , 122, 122-130, 2018.	Applied	ISI/Scopus	
2018	Rawashdeh, M. , AL Zamil, M. , Hossain, M., Samarah, S., Amin, S. & Muhammad, G. (2018). Reliable service delivery in Tele-health care systems, <i>Journal of Network and Computer Applications</i> , 115, 86-93, 2018.	Applied	ISI/Scopus	
2018	Al Zamil, M., Rawashdeh, M. , Samarah, S., Hossain, M., Alnusair, A. & Rahman, Sk. (2018). An annotation technique for in-home smart monitoring environments. <i>IEEE Access</i> , 6, 1471-1479.	Applied	ISI/Scopus	
2017	Rawashdeh, M. , Al Zamil, M., Samarah, S., Hossain, M. & Muhammad, G. (2017). A knowledge-driven approach for activity recognition in smart homes based on activity profiling, <i>Future Generation Computer Systems</i>	Applied	ISI/Scopus	
2017	Alnusair, A., Zhong, C., Rawashdeh, M. , Hossain, MS. & Alamri, A. (2017). Context-aware multimodal recommendations of multimedia data in cyber situational awareness, <i>Multimedia Tools and Applications</i> , 1-21.	Applied	ISI/Scopus	
2017	Rawashdeh, M. , Shorfuzzaman, M., Artoli, A. , Hossain, M. & Ghoneim, A. (2017). Mining tag-clouds to improve social media recommendation, <i>Multimedia Tools and Applications</i> ,76 (20), 21157-21170.	Applied	ISI/Scopus	
2017	Zamil, M., Samarah, S. , Rawashdeh, M. & Hossain, MA. (2017). An ODT-based abstraction for mining closed sequential temporal patterns in IoT-cloud smart homes, <i>Cluster Computing</i> , 1-15.	Applied	ISI/Scopus	
2017	Samarah, S. , Zamil, M., Aleroud, A., Rawashdeh, M. , Alhamid, M. & Alamri, A. (2017). An Efficient Activity Recognition Framework: Toward Privacy-Sensitive Health Data Sensing, <i>IEEE Access</i> , 5, 3848-3859.	Applied	ISI/Scopus	

2016	Rawashdeh, M. , Alhamid, M., Aljaam, J., Alnusair, A. & El Saddik, A. (2016). Tag-based personalized recommendation in social media services, <i>Multimedia Tools and Applications</i> , 75,21, 13299-13315.	Applied	ISI/Scopus	
2016	Hu, L., Wang, J., Song, E., Ksentini, A., Hossain, MA. & Rawashdeh, M. (2016), SDN-SPS: Semi-Physical Simulation for Software-Defined Networks, <i>IEEE Sensors</i> , 16,20, 7355-7363.	Applied	ISI/Scopus	
2016	Alhamid, M., Rawashdeh, M. , Al Osman, H., Hossain, MS. & El Saddik, A. (2016). RecAm: a collaborative context-aware framework for multimedia recommendations in an ambient intelligence environment, <i>Multimedia Systems</i> , 22,5, 587-601.	Applied	ISI/Scopus	
2016	Alhamid, M., Rawashdeh, M. , Dong, H., Hossain, MA. & El Saddik, A. (2016). Exploring latent preferences for context-aware personalized recommendation systems, <i>IEEE Transactions on Human-Machine Systems</i> , 46,4, 615-623.	Applied	ISI/Scopus	
2016	Alhamid, M., Rawashdeh, M. , Hossain, MA. , Alelaiwi, A. & A. El Saddik (2016). Towards context-aware media recommendation based on social tagging, <i>Journal of Intelligent Information Systems</i> , 46,3, 499-516.	Applied	ISI/Scopus	
2016	Rawashdeh, M. , Shorfuzzaman, M. , Artoli, AM., Hossain, MS., Ghoneim, A. (2016). Mining tag-clouds to improve social media recommendation, <i>Multimedia Tools and Applications</i> ,1-14.	Applied	ISI/Scopus	

PROCEEDINGS/PRESENTATIONS – 5 Years

Year	Presentations	Article Classification (Basic, Applied, Teaching)	Indexing
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2020	Abdul Razaque, Fathi Amsaad, Muder Almiani, Wan Xiaoya, Li Shiyu, Raouf Ganda, Majdi Rawashdeh , Amer AlRahayfeh, "Efficient Context-aware File System Approach," 2020 Seventh International Conference on Software Defined Systems (SDS), 2020, pp. 226-230, doi: 10.1109/SDS49854.2020.9143956.	Applied	Scopus
2019	M. Rawashdeh , A. Alnusair, M. Almiani and L. Sawalha, "JMentor: An Ontology-Based Framework for Software Understanding and Reuse," <i>2019 IEEE/ACS 16th International Conference on Computer Systems and Applications (AICCSA)</i> , 2019, pp. 1-8, doi: 10.1109/AICCSA47632.2019.9035293.	Applied	Scopus
2017	Alhamid, M., Alsahli, S., Rawashdeh, M. & Alrashoud, M. (2017). Detection and Visualization of Arabic Emotions on Social Emotion Map, <i>IEEE International Symposium on Multimedia (ISM)</i> , 378-381.	Applied	Scopus
2017	Rawashdeh, M. , Al-Qurishi, M., Al-Rakhami, M., Al-Quraishi, M., (2017). A multimedia cloud-based framework for constant monitoring on obese patients, <i>IEEE International Conference on Multimedia & Expo Workshops (ICMEW)</i> , 139-144.	Applied	Scopus
2016	Alnusair, A., Rawashdeh, M. , Alhamid, M., Hossain, MA. & Muhammad, G. (2016). Reusing Software Libraries Using Semantic Graphs, In <i>Proceedings of the 17th IEEE International Information Reuse and Integration (IRI)</i> , USA, 2016.	Applied	Scopus
2016	Rawashdeh, M. , Alnusair, A., Mustafa, N., Migdadi, M. (2016). Multimedia Mobile Cloud Computing: Application models for performance enhancement, In <i>Proceedings of the IEEE International Conference on Multimedia & Expo Workshops (ICMEW)</i> , USA.	Applied	Scopus

RESEARCH WORK IN PROGRESS

Year	Work in Progress / Title	Status (Submitted, Accepted)

RESEARCH FUNDS/PROJECTS

Year	Project Name	Duration	Sponsor

IMPACT OF SCHOLARSHIP

Year	No. of Reviewed Articles
2022	8
2021	7
2020	6
2019	8
2018	9
2017	5
2016	7

RESEARCH/EDITORIAL MEMBERSHIPS

Year	Journal/Conference	Role (<i>editor, associate editor, editorial advisory board member, reviewer</i>)
2022	Future Generation Computer Systems	reviewer
2022	IEEE Global communications conference	reviewer
2021	Transactions on Knowledge Discovery	reviewer
2021	Knowledge-Based Systems	reviewer
2020	Cluster Computing	reviewer
2019	IEEE Access	reviewer
2019	IEEE Communications Magazine	reviewer
2018	Information Fusion	reviewer
2018	Multimedia Tools and Applications	reviewer
2018	Mobile Networks and Applications	reviewer
2018	Neural Computing and Applications	reviewer

GRADUATE RESEARCH SUPERVISION

Year	Thesis title	Role (<i>Supervisor / Co-supervisor/Examiner</i>)	Degree (<i>PhD, MSc</i>)	Institution

GOVERNANCE/COMMITTEES

Year	Name of Committee /Institution	Role
2022	Scientific Research Committee	member
2022	Curriculum Committee	member
2019	AACSB Committee	member

2022	Social Committee	chair
2022	Graduate Studies Committee	member
2021	Hiring Committee	member
2021	Review of Grades and Appeals Committee	member
2021	Curriculum Committee	member
2021	Scientific Research Committee	member
2019	AACSB Committee	member
2019	Competency Exam Committee	member
2019	Study Plan Committee	member
2019	Hiring Committee	member

COMMUNITY SERVICE AND SOCIAL RESPONSIBILITY

Year	Society/Association/ Institution	Role
2022	Student Graduation project/ Jubilee Institute	Examiner
2021	Jordanian State Technological Achievements Conference	Member
2020	Erasmus Jovial project/ ICT in higher Education /PSUT	Participant
2019	2019 Amazon MENA Tech Conference (AMTECH)/ St. Regis Hotel, Amman, Jordan	Participant
2019	Instructional Design for E-Learning (IDEL)/ Le Royal Hotel, Amman, Jordan	Participant
2019	Cyber security international practices/PSUT	Participant
2019	The Ninth Conference on Research Scientific in Jordan/ Jordan University	Participant