2016-2021 AACSB CV
Wael Al Etaiwi
Assistant Professor – Business Information Technology Department
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RESEARCH PROFILE

Profile	Link	No. of Citations	h-index
Google Scholar	https://scholar.google.com/citations?user=j_k0s8EAAAAJ&hl=en&oi=ao	471	11
Scopus ID	26531155200	204	9

EDUCATION

Year	Degree	Major	Institution
2020	PhD	Computer Science	Princess Sumaya University for Technology, Jordan
2011	M.Sc.	Computer Science	Al Balqaa Applied University, Jordan
2007	B. Sc.	Computer Information Systems	Hashemite University, Jordan

ACADEMIC POSITIONS

Year	Academic Title	Institution
9/2020 – present	Assistant Professor, BIT department	Princess Sumaya University for Technology, Jordan
01/2018 – 06/2019	Research Assistant	Princess Sumaya University for Technology, Jordan
10/2016 – 01/2017	Teaching Assistant	Princess Sumaya University for Technology, Jordan
02/2015 – 06/2016	Teaching Assistant	Princess Sumaya University for Technology, Jordan

ADMINISTRATIVE POSITIONS

Year	Title	Institution
09/2021 – present	Chair of the Business Information Technology Department	Princess Sumaya University for Technology, Jordan
03/2018 – 09/2020	Head of E-government section	Jordan Customs
07/2007 – 03/2018	Software Developer and system analyst	Jordan Customs

PROFESSIONAL CERTIFICATIONS & MEMBERSHIPS

Year	Certification	Institution
2020	Certified Tester Foundation Level (CTFL)	ISTQB® - International Software Testing Qualifications Board
2014	Approved EFQM Assessor	KACE (King Abdullah II Center for Excellence)
2013	Approved EFQM Mentor	KACE (King Abdullah II Center for Excellence)
2009	Microsoft Certified Technology Specialist, .Net Framework 2.0 Web application	Microsoft

BOOKS/BOOK CHAPTERS – 5 Years

Year	Book/Chapters	Indexing

JOURNAL PUBLICATIONS – 5 Years

Year	Journal Publications	Article Classification *(Basic, Applied, Teaching)*	Indexing	Quartile
2022	S Abulhaija, S Hattab, A Abdeen, W Etaiwi, "Predicting mobile apps performance using machine learning" Journal of System and Management Sciences (JSMS)10 (2022).	Applied	Scopus	Q3
2022	Tweissi, Adiy, Wael Al Etaiwi, and Dalia Al Eisawi. "The Accuracy of AI-Based Automatic Proctoring in Online Exams." Electronic Journal of e-Learning 20.4 (2022): 419-435.	Applied	Scopus	Q1
2022	S Abulhaija, S Hattab, A Abdeen, W Etaiwi, "Mobile Applications Rating Performance: A Survey." International Journal of Interactive Mobile Technologies 16.19 (2022).	Applied	Scopus	Q2
2022	Etaiwi, Wael, and Arafat Awajan. "SemG-TS: Abstractive Arabic Text Summarization Using Semantic Graph Embedding." Mathematics 10.18 (2022): 3225.	Applied	Scopus	Q1
2022	Alsaidi, Hiba, and Wael Etaiwi. "Empirical Evaluation of Machine Learning Classification Algorithms for Detecting COVID-19 Fake News." Int. J. Advance Soft Compu. Appl 14.1 (2022).	Applied	Scopus	Q3
2021	Suleiman, Dima, Wael Etaiwi, and Arafat Awajan. "Recurrent Neural Network Techniques: Emphasis on	Applied	Scopus	Q4

	Use in Neural Machine Translation." Informatica 45.7 (2021).			
2021	Etaiwi, Wael, Dima Suleiman, and Arafat Awajan. "Deep Learning Based Techniques for Sentiment Analysis: A Survey." Informatica 45.7 (2021).	Applied	Scopus	Q4
2020	Dima Suleiman, Malek Al-Zewairi, Wael Etaiwi, Ghazi Al-Naymat, Empirical Evaluation of the Classification of Deep Learning under Big Data Processing Platforms, International Journal of Advanced Trends in Computer Science and Engineering, Volume 9, No.5, September - October 2020.	Applied	Scopus	Q3
2019	W Al Etaiwi, A Awajan, Graph-based Arabic text semantic representation, Information Processing & Management 57, 2019.	Applied	SCIE + Scopus	Q1
2018	W Al Etaiwi, S Hraiz, Structured encryption algorithm for text cryptography, Journal of Discrete Mathematical Sciences and Cryptography 21 (7-8), 1559-1572.	Applied	ESCI + Scopus	Q2
2017	M. Al-Zewairi, M. Biltawi, W. Etaiwi, and A. Shaout, "Agile Software Development Methodologies: Survey of Surveys," Journal of Computer and Communications, vol. 5, no. 5, pp. 74–97, 2017.	Applied	-	-
2014	W. Etaiwi, "Encryption Algorithm Using Graph Theory," Journal of Scientific Research and Reports, vol. 3, no. 19, pp. 2519–2527, Jan. 2014.	Applied	-	-
2011	S. Idwan, A. Mukattash, M. S. Ashhab, A. Nizar, and W. Etaiwi, "Application of enhanced Depth First Search algorithm to Jordan road networks structure," European Journal of Scientific Research, vol. 50, no. 3, pp. 327–332, 2011.	Applied	Scopus	Q2
2011	S. Idwan and W. Etaiwi, "Dijkstra algorithm heuristic approach for large graph," Journal of Applied Sciences, vol. 11, no. 12, pp. 2255–2259, 2011.	Applied	Scopus	Q2
2011	W. Etaiwi, H. Almhairat, M. Jarad, and L. Batarseh, "Managing BTSs to Solve Handover Problem in Mobile Network," International Journal of Interactive Mobile Technologies (iJIM), vol. 5, no. 1, Jan. 2011.	Applied	Scopus	Q2
2009	Idwan, Sahar, and Wael Etaiwi. "Computing breadth-first search in large graph using hmetis	Applied	Scopus	Q2

	partitioning." European Journal of Scientific Research 29.2 (2009): 215-221.			

PROCEEDINGS/PRESENTATIONS – 5 Years

Year	Presentations	Article Classification *(Basic, Applied, Teaching)*	Indexing
2019	W Al Etaiwi, AA Awajan, D Suleiman, Keywords Extraction from Arabic Documents Using Centrality Measures, 2019 Sixth International Conference on Social Networks Analysis, Management and Security (SNAMS), 2019 (237-241).	Applied	Scopus
2019	WM Al Etaiwi, A Awajan, Arabic Text Semantic Graph Representation, 2019 2nd International Conference on new Trends in Computing Sciences (ICTCS), 2019 (1-6).	Applied	Scopus
2019	D Suleiman, AA Awajan, W Al Etaiwi, Arabic Text Keywords Extraction using Word2vec, 2019 2nd International Conference on new Trends in Computing Sciences (ICTCS), 2019 (1-7).	Applied	Scopus
2018	W Al Etaiwi, A Awajan, Learning Graph Representation: A Comparative Study, 2018 International Arab Conference on Information Technology (ACIT), Beirut, Lebanon.	Applied	Scopus
2018	M Biltawi, W Etaiwi, S Tedmori, A Shaout, Fuzzy based Sentiment Classification in the Arabic Language, Proceedings of SAI Intelligent Systems Conference, London, UK, 2018, 579-591.	Applied	Scopus
2018	W Etaiwi, A Awajan, Graph-based Arabic NLP Techniques: A Survey, Procedia computer science 142, 328-333.	Applied	Scopus
2017	W. Etaiwi, M. Biltawi, and S. Almajali, "Securing Distributed SDN Controllers against DoS Attacks", in The International Conference on new Trends in Computing Sciences (ICTCS2017), Amman, Jordan.	Applied	Scopus
2017	W. Etaiwi, and A. Awajan,, "The Effects of Features Selection Methods on Spam Review Detection Performance", in The International Conference on new Trends in Computing Sciences (ICTCS2017), Amman, Jordan.	Applied	Scopus
2017	W. Etaiwi and G. Naymat, "The Impact of applying Different Preprocessing Steps on Review Spam Detection," Procedia Computer Science, vol. 113, pp. 273–279, 2017.	Applied	Scopus
2017	W. Etaiwi, M. Biltawi, and G. Naymat, "Evaluation of classification algorithms for banking customer's behavior	Applied	Scopus

Year			
	under Apache Spark Data Processing System," Procedia Computer Science, vol. 113, pp. 559–564, 2017.		
2017	W. Etaiwi, A. Awajan, and D. Suleiman, "Statistical Arabic Name Entity Recognition Approaches: A Survey," Procedia Computer Science, vol. 113, pp. 57–64, 2017.	Applied	Scopus
2017	D. Suleiman, A. Awajan, and W. A. Etaiwi, "The Use of Hidden Markov Model in Natural ARABIC Language Processing: a survey," Procedia Computer Science, vol. 113, pp. 240–247, 2017.	Applied	Scopus
2017	S. Hraiz and W. Etaiwi, "Symmetric encryption algorithm using graph representation," in 2017 8th International Conference on Information Technology (ICIT), 2017.	Applied	Scopus
2016	M. Biltawi, W. Etaiwi, S. Tedmori, A. Hudaib, and A. Awajan, "Sentiment classification techniques for Arabic language: A survey," 2016 7th International Conference on Information and Communication Systems, ICICS 2016, pp. 339–346, 2016.	Applied	Scopus

RESEARCH WORK IN PROGRESS

Year	Work in Progress / Title	Status *(Submitted, Accepted)*
2021	Automatic Text Summarization: Approaches, Datasets, Evaluations, and State-of-the-art	Submitted
2021	SemanticGraph2Vec: Semantic Graph Embedding for Text Representation	Submitted
2022	Reactive Traffic Congestion Control in Smart Cities by using Hierarchical Graph	Submitted
2022	Traffic Management System Review	In Progress

RESEARCH FUNDS/PROJECTS

Year	Project Name	Duration	Sponsor

IMPACT OF SCHOLARSHIP

Year	No. of Reviewed Articles
2022	2
2021	3

RESEARCH/EDITORIAL MEMBERSHIPS

Year	Journal/Conference	Role (*editor, associate editor, editorial advisory board member, reviewer*)
2022	IEEE ICICS Conference 2022	Reviewer
2022	Frontiers of Information Technology & Electronic Engineering Journal	Reviewer
2021	Jordanian Journal of Computers and Information Technology	Reviewer
2021	Journal of King Saud University - Computer and Information Sciences	Reviewer
2021	Social Science Computer Review	Reviewer

GRADUATE RESEARCH SUPERVISION

Year	Thesis title	Role *(Supervisor / Co-supervisor/Examiner)*	Degree *(PhD, MSc)*	Institution
2022	Forecasting Gold Prices by Using Machine Learning Algorithm	Supervisor	MSc	PSUT
2022	Using machine learning algorithm to predict grain yield, prices and demand Forecasting the supply and demand	Supervisor	MSc	PSUT

GOVERNANCE/COMMITTEES

Year	Name of Committee /Institution	Role
2014 – Present	KACE Assessors Committee	Member
2018-2019	Jordan Governance National Team	Member

COMMUNITY SSERVICE AND SOCIAL RESPONSIBILITY

Year	Society/Association/ Institution	Role
2022	Jubilee School	Member of judging panel
2022	The Excellence in Municipal and Community Development Project/ The Youth Excellency Project	Trainer and Mentor
2022	Distinguished University Award	Assessor
2022	Digital Transformation Award	Trainer
2022	PSUT Employee's Appraisal System	Supervisor