Dr. Ala'a Al Omoush

Email: aalomoush@zu.edu.jo

Faculty of Information Technology / Computer Science

Academic Rank: Assistant Professor

Qualifications:

1	PhD of computer science
2	Master of computer science
3	Bachelor of computer science

Teaching Experience:

#	From	To	Job description
1	2/Jul/2022	12/Sep/2023	**Assistant Professor- irbid national university**
2	17/Sep/2023	17/Sep/2024	**Assistant Professor- Applied science Private university**
3	1/Oct/2024	Now	**Assistant Professor- Zarqa university**
4			

Publications:

#	Title	Publisher	Year/ Issue (Vol/No)
1.	Fully automatic grayscale image segmentation based fuzzy C-means with firefly mate algorithm	Journal of Ambient Intelligence and Humanized Computing	2022
2.	Enhancing three variants of harmony search algorithm for continuous optimization problems	Int. J. Electr. Comput. Eng.(IJECE)	2021
3.	Comprehensive review of the development of the harmony search algorithm and its applications	IEEE Access	2019
4.	Hybrid Harmony Search Algorithm with Grey Wolf Optimizer and Modified Opposition-based Learning	IEEE Access	2019
5.	Solving 0/1 knapsack problem using hybrid HS and Jaya algorithms	Advanced Science Letters 24	2018
6.	Artificial bee colony algorithm for pairwise test generation	Journal of Telecommunication, Electronic and Computer Engineering (JTEC)	2017

Conferences:

#	Paper Title	Organizing Institution	Conference
.1	Modified opposition based learning to improve harmony search variants exploration	Emerging Trends in Intelligent Computing and Informatics:	Emerging Trends in Intelligent Computing and Informatics:
.2	An open cloud-based platform for the creation and delivery of smart applications and services	IOP Conference Series: Materials Science and Engineering 769	IOP Conference Series: Materials Science and Engineering 769
.3	Pressure Vessel Design Simulation Using Hybrid Harmony Search Algorithm	Proceedings of the 3rd International Conference on Big Data Research,	Proceedings of the 3rd International Conference on Big Data Research,
.4	Hyperdize Jaya algorithm for harmony search algorithm's parameters selection	Proc. National Conf. Postgraduate Research (NCON-PGR 2016),	Proc. National Conf. Postgraduate Research (NCON-PGR 2016),

Supervision of Theses:

#	Year	University	Thesis Title	Student Name
.1				
.2				
.3				

Community Service Activities

#	Duartion	Activity
1		
2		
3		

Personal Information

Name	Alaa Alomoush	
Place and Date of Birth	1986	
Nationality	Jordan	
Marital Status	Married	
Address	Almafraq Jordan	
Work Tel No.	6334	Sub:
Mobile:		
Postal Address	P.O. Box: 132222	Jordan- Zarqa- 13132