Date ....

HISHAM AHMAD THEEB SHEHADEH

PERSONAL INFORMATION

Title: Faculty member

Academic Rank: Assistant Professor

Date & Place of Birth: Irbid/Jordan

Nationality: Jordanian

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ACADEMIC QUALIFICATIONS

Degree	Major		University	Country
PhD	Computer Science	Obtained in 2018	University of Malaya	Malaysia
Master	Computer Science	Obtained in 2014	Jordan University of Science & Technology	Jordan
Bachelor	Computer Science	Obtained in 2012	Al Balqa'a Applied University	Jordan

TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
2020-Present	Assistant Professor	Amman Arab University	Computer Information System	Jordan
2017-2018	Research Assistant in Computer Science	University of Malaya	Computer Science	Malaysia
2014-2016	Lecturer in Computer Science	Jordan University of Science & Technology	Computer Science	Jordan
2013-2014	Teaching Assistant in Computer Science	Jordan University of Science & Technology	Computer Science	Jordan

OTHER EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country

PUBLICATIONS

JOURNALS

Author/s (In Order)	Title	Journal	Vol./No.	Publication Date
Said Solaiman, O.; Sihwail, R.; Shehadeh, H.; Hashim, I.; Alieyan, K.	Hybrid Newton–Sperm Swarm Optimization Algorithm for Nonlinear Systems	*Mathematics*	-	2023
Shehadeh, Hisham A., et al.	Optimal topology planning of electromagnetic waves communication network for underwater sensors using multi-objective optimization algorithms (MOOAs)	*Automatika*	-	2023
Beegum, T. R., Idris, M. Y. I., Ayub, M. N. B., & Shehadeh, H. A.	Optimized routing of UAVs using Bio-Inspired Algorithm in FANET: A Systematic Review	*IEEE Access.*	-	2023
Shehadeh, H. A.	Chernobyl disaster optimizer (CDO): a novel meta-heuristic method for global optimization	*Neural Computing and Applications*	-	2023

Mustafa, H. M., Ayob, M., Shehadeh, H. A., & Abu-Taleb, S.	Multi-objective memetic differential evolution optimization algorithm for text clustering problems	Neural Computing and Applications	-	2023
Wang, X., Chu, S. C., Snášel, V., Kong, L., Pan, J. S., & Shehadeh, H. A.	A two-phase quasi-affine transformation evolution with feedback for parameter identification of photovoltaic models	Applied Soft Computing	-	2022
Belal Sudqi Khater, Ainuddin Wahid Bin Abdul Wahab, Mohd Yamani Idna Bin Idris, Mohammed Abdulla Hussain, Ashraf Ahmed Ibrahim, Mohamad Araf Amin, Hisham A. Shehadeh	Classifier Performance Evaluation for Lightweight IDS Using Fog Computing in IoT Security	MDPI – Electronics	-	-

Hisham Shehadeh, Hossam Mustafa, Mohammad Tubishat	A Hybrid Genetic Algorithm and Sperm Swarm Optimization (HGASSO) for Multimodal Functions	Applied Metaheuristic Computing (IJAMC)	-	-
Hisham A. Shehadeh	A Hybrid Sperm Swarm Optimization and Gravitational Search Algorithm (HSSOGSA) for Global Optimization	Neural Computing and Applications	-	-

Nura Modi Shagari, Mohd Yamani Idna Idris, Ismail Ahmedy, Hisham A. Shehadeh	Heterogeneos Energy and Traffic Aware Sleep- Awake Cluster- Based Routing Protocol for Wireless Sensor Network	IEEE Access	2020	2020
H isham A. Shehadeh, Ismail Ahmedy, Mohd Yamani Idna Idris, Hani Ragab Hassen	Optimal Placemen t of Near Ground VHF/UHF Radio CommunicationNetworks as a Multi-Objective Problem	Wireless Personal Communicati on, Springer	2020	2020
Hisham A. Shehadeh, Mohd Yamani Idna Idris, Ismail Ahmedy	Multi- Objective Optimization Algorithm Based on Sperm	Symmetry	9(10)	2017

Author	Title	Journal	Volume	Year
	Fertilization Procedure (MOSFP)			
Hisham A. Shehadeh, Mohd Yamani Idna Idris, Ismail Ahmedy, Roslina Ramli, Noorzaily M. Noor	The Multi- Objective Optimization Algorithm Based on Sperm Fertilization Procedure (MOSFP) Method for Solving Wireless Sensor Networks Optimization Problems in Smart Grid Applications	Energies	11	2018
Mohammad M. Hamdan, Hisham A. Shehadeh	Automated Quantification of Eye Blink Rate Based on Viola- Jones Algorithm	International Journal of Technology Diffusion (IJTD)	9(4)	2018
Ismail Ahmedy, Hisham A.	An Estimation of QoS	Wireless Communications	2017	2017

Shehadeh, Mohd Yamani Idna Idris	for Classified Based Approach and NoN classified Based Approach of Wireless Agriculture Monitoring Network Using a Network Model	and Mobile Computing		
Muneer Bani Yassein, Mohammad Hamdan, Hisham A. Shehadeh, and Lina Mrayan	A Novel Approach for Health Monitoring System Using Wireless Sensor Network	International Journal on Communications Antenna and Propagation	7(4)	2017
Muneer Bani Yassein, Mohammad Hamdan, Hisham A. shehadeh	Performance Evaluation of Health Monitoring Network for Elderly Patient in Home	Asian Journal of Mathematics and Computer Research	9(2)	2016
Mohammad Hamdan, Hisham A.	Multi- Objective Optimizations	Int. J. Open Problems	8(1)	2015

Shehadeh, Qusai Y. Obeidat	on of Electrocardiogram Monitoring Network for Elderly Patient in Home	Compt. Math.		
Hisham A. Shehadeh, Qusai Y. Obeidat, Derar Darwish	Comprehensive Study on Data Security in Cloud Data Store	Int. J. Open Problems Compt. Math.	7(4)	2014
Ismail Hmeidi, Hisham A. Shehadeh, Abdalrhman Almodawar, Mustafa Daraghmeh	Comprehensive Study on Information Retrieval: Arabic Document Indexing	Research Journal of Science and Technology	6(2)	2014

CONFERENCES

Author/s (In Order)	Title	Conference	Country	Date

Hisham A. Shehadeh, Ismail Ahmedy, Mohd Yamani Idna Idris	Sperm swarm optimization algorithm for optimizing wireless sensor network challenges	in ACM International Conference on Communications and Broadband Networking (ICCBN 2018)	Singapore	2018
Mohammad Hamdan, Muneer Bani Yassein, Hisham A. Shehadeh	Multi- objective Optimization Modeling of Interference in Home Health Care Sensors	IEEE 11th International Conference on Innovations in Information Technology	Dubai, UAE	November 2015

BOOK

CHAPTERS

Author/s (In Order)	Title	Publisher	Edition	Date
Shehadeh, H. A., & Shagari, N. M.	A hybrid grey wolf optimizer and sperm swarm optimization for global optimization	Sustainable Development	-	2022
Hisham A. Shehadeh, Ismail Ahmedy,	Empirical Study of	In book: Volume		2018

| Mohd Yamani Idna Idris | Sperm Swarm Optimization Algorithm | 869 of the Advances in Intelligent System s and Computing series, Edition: Volume 869, Chapter : K. Arai et al. (Eds.): IntelliSys 2018, IntelliSys 2018, AISC 869, London , Uk, Springer International Publishing Switzerland | | Mohd Yamani Idna Idris | Sperm Swarm Optimization Algorithm |

Mohammad Hamdan, Muneer Bani Yassein, Hisham A. Shehadeh	Multi-objective Optimization Modeling for the Impacts of 2.4-GHz Interference on IEEE 802.15.4 Health Sensors	Information Innovation Technology in Smart Cities, pp. 317-330. Springer, Singapore	2018
Hisham A. Shehadeh, Nura Modi Shagari	A Hybrid Gray Wolf Optimizer and Sperm Swarm Optimization for Global Optimization	WILEY-SCRIVENER PUBLISHING, USA. FREE PUBLICATION	-

MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

UNIVERSITY COMMITTEES

- Student Affairs Committee
- Quality Assurance Committee
- Examinations Committee
- Graduation Projects Committee
- Field Training Committee
- The Occupational Qualification Committee
- Library Committee
- Risk Management Committee

WORKSHOPS ATTENDED

WORKSHOPS OFFERED

1. Amman Arab University, Department of Computer Information Systems and Computer Sciences, exhaustive search method for solving Maximization and minimization problems.

2. Ministry of Higher education, Introduction to C++ programming.

3. Amman Arab University, Department of Computer Information Systems and Computer Sciences, Introduction to professional networking: Linkedin.

4. University of Malaya, Department of Computer Science K

5. Jordan University of Science & Technology, Department of Computer Science Irbid, Jordan, Workshop in Internet of Things (IoT) and QualNet Simulator
   , 2014

دائرة الموارد البشرية
Human Resources Department

RESEARCH INTERESTS

- Artificial Intelligent

- Intelligent Computing (IC)

- Theoretical Computer Science

- Soft Computing

- Metaheuristic Algorithms

- Algorithms

- Wireless Networks

- Algorithmic engineering applications of wireless networks Internet of Things (IoT)

LANGUAGES

o English: Speak, Read, and Write fluently.

o Arabic: Speak, Read, and Write fluently.

OTHER COMMUNITY ACTIVITIES

AWARDS RECEIVED

1. Best paper award, ICSIC 2022, Amman Arab University,
2. Best graduation award, Amman Arab University.

GRADUATE STUDENTS SUPERVISION

Student Name	Thesis Title
Rehannara Beegum (PhD student at University of Malaya)	**Sperm Swarm Optimization Algorithm for Optimizing Wireless Sensor Network Problems**

REFERENCES

Upon request