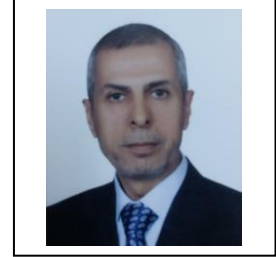Date: 29/9/2021

MAHMOUD AHMAD OMARI

PERSONAL INFORMATION

Title: University Instructor

Academic Rank: Associate Professor

Date & Place of Birth: 14/10/1962, Irbid, Jordan

Nationality: Jordanian

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ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
PhD	Computer Science	1989- 1992	Illinois Institute of Technology	USA
MSc	Computer Science	1987 -1989	George Washington University	USA
BSc	Computer Science	1980-1984	Yarmouk University	Jordan

TEACHING EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
2017-	Associate Professor	Amman Arab University	CS/Faculty of Computer Sciences and Informatics	Jordan
1 Yr.	Associate Professor	Al-Baha College of Sciences	Computer Engineering	KSA
1 Yr.	Associate Professor	Princess Sumaya University for Technology	MIS/The King Talal Faculty of Business and Technology	Jordan
6 yrs.	Associate Professor	Applied Science University	CS/Faculty of Information Technology	Jordan
3 Yrs.	Associate Professor	Mutah University	Information Tech. Dept. / Faculty of Science	Jordan
2 Yrs.	Visiting Associate Professor	Irbid National University	CS/Faculty of Information Technology	Jordan
10 Yrs.	Assistant/ Associate Professor	Mutah University	CS Dept. / Faculty of Science	Jordan

OTHER EXPERIENCE

Duration	Rank	Institution	Department/Faculty	Country
1Yr.	Vice Dean for Academic Affairs	Al-Baha College of Sciences	Computer Engineering	KSA
2Yrs.	Dept. Chair	Applied Science University	CS/Faculty of Information Technology	Jordan
2Yrs.	Dean of the Faculty of Science and IT	Irbid National University	CS/Faculty of Information Technology	Jordan
1Yr.	Dept. Chair	Mutah University	Information Tech. Dept. / Faculty of Science	Jordan
1Yr.	Vice Dean/dept. chair	Mutah University (Ma'an Branch)	Educational Sciences / Faculty of Arts and Science	Jordan
2Yrs.	Dept. Chair	Mutah University	CS Dept. / Faculty of Science	Jordan

PUBLICATIONS

JOURNALS

Author/s (In Order)	Title	Journal	Vol./ No.	Publication Date
Ahmad Ziadeh, Laith Abualigah, Mohamed Abd Elaziz, Canan Batur Şahin, Abdulwahab Ali Almazroi, Mahmoud Omari	Augmented grasshopper optimization algorithm by differential evolution: a power scheduling application in smart homes	*Multimedia Tools and Applications*	6	2021
Abualigah, Laith, Amir H. Gandomi, Mohamed Abd Elaziz, Husam Al Hamad, Mahmoud Omari, Mohammad Alshinwan, and Ahmad M. Khasawneh	Advances in Meta-Heuristic Optimization Algorithms in Big Data Text Clustering	*Electronics*	2	2021
Amjad Al-Jourishi and Mahmoud Omari	Handwritten Arabic Characters Recognition Using a Hybrid Two-Stage Classifier	*(IJACSA) International Journal of Advanced Computer Science and Applications*	6	2019
Mahmoud Omari	Routing Capabilities of Mesh-Hypercube Network	*(IJCSI) International Journal of Computer Science Issues*	1	2014
Faiz Al Shrouf, Hesham Abusaimeh, Khalil Al Shqeerat and Mahmoud Omari	Evaluating Time Performance Optimization Analysis for Mobile Agent Message Communication Using Assignment Computing Agent	The Journal of Applied Sciences	12	2012
Mahmoud Omari	Packet Routing in Mesh-Hypercube Network	Abhath Al-Yarmouk Journal: Basic Science& Engineering Series	1(B)	2008
Bassam Al-Mahadeen and Mahmoud Omari	A Broadcast Algorithm for All-Port Wormhole-Routed Mesh-Hypercube Network	Information Technology Journal	3	2004
Bassam Al-Mahadeen and Mahmoud Omari	Adaptive Wormhole Routing in Mesh-Hypercube Network	Journal of Applied Sciences	4	2004

CONFERENCES

Author/s (In Order)	Title	Conference	Country	Date
Mahmoud Omari	"Routing Capabilities of Mesh-Hypercube Network	The 3rd *International Computer Sciences and Informatics Conference (ICSIC 2019)*	Amman	April 2-4, 2019
Aesha Amhammed and M. Omari	A Hybrid Image Compression Technique Using Discrete Fourier Transform and Discrete Cosine Transform	The 3rd *International Computer Sciences and Informatics Conference (ICSIC 2019)*	Amman	2-4, 2019
Bassam Al-Mahadeen and Mahmoud Omari	Fault-Free Point-to-Point Routing in Mesh-Hypercube Networks	*The International Conference on Information Technology and Natural Sciences (ICITNS)*	Amman	2003
Mahmoud Omari	Routing in Quad Tree-Hypercube Networks	*The 2000 ACM Symposium on Applied Computing (SAC'00)*	Como, Italy	2000
Mahmoud Omari and Mohammed Mahafzah	Fault-Tolerant Routing in Hypercube Networks	*The 1999 ACM Symposium on Applied Computing (SAC'99)*	Texas, USA	1999
F. Luccio, M. Mahafzah, M. Omari, and L. Pagli	Routing with the Use of Masks	*The 5th Colloquium on Structural Information and Communication Complexity (SIROCCO'98)*	Italy	1998
Mahmoud Omari and H. Abu-Salem	Routing Algorithms for Tree-Hypercube Networks	*The 1998 ACM Symposium on Applied Computing (SAC'98)*	USA	1998
Hani Abu-Salem and Mahmoud Omari	Comparing Words, Stems, and Roots as Index Terms Using a Term Weighting Scheme in an Arabic Information Retrieval System	*The IEEE Second Annual International Conference on Electronics, Circuits, and Systems (ICECS'95*	Amman	1995

Books

Author/s (In Order)	Title	Publisher	Edition	Date

MEMBERSHIPS OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

- The Association for Computing Machinery (ACM), USA.
- Member of the program committee of the ACM Symposium on Applied Computing (SAC), Track Co-Chair of the Parallel and Distributed Computing, SAC'99, SAC2000, SAC2001, and SAC2002.

UNIVERSITY COMMITTEES

Scientific Research, Graduate Studies, Curriculum, Quality Assurance, Faculty Development, Accreditation, Hiring and Promotion

WORKSHOPS ATTENDED

- Artificial Intelligence Ethics Workshop, Ministry of Digital Economy and Entrepreneurship, Amman, Jordan, Sept. 13, 2021.
- Training Course on Total Quality Management, ISO9001:2008, and Quality Management in Higher Education, Faculty of Economics, Applied Science University, Amman, Jordan, 23-28/2/2010.
- The 5th Jordan National Tempus Conference, University of Jordan, Amman, Jordan December 14, 2009.
- Jordan ICT Forum "A global meeting of minds in the heart of digital Arabia," The Dead Sea, September 14-15, 2004.
- MIS in Education and Higher Education: The Challenges and Opportunities. Workshop hosted by National Center for Human Resources Development, Amman, January 25, 2004.
- "Get Connected UK Jordan IT Initiative" Workshops sponsored and organized by the British Council/Embassy in Jordan. Workshop 1: IT Curriculum Development, November 2-3, 2002. Workshop 2: Teaching and Learning Methods, November 3-4, 2002.
- The Italian-Jordanian Cooperation Workshop, Mu'tah University, Jordan, Nov. 9-10, 1998.
-

WORKSHOPS OFFERED

RESEARCH INTERESTS

Parallel and Distributed Processing, Image Processing, Information Retrieval, Machine Learning, Algorithms

LANGUAGES

Arabic, English

OTHER COMMUNITY ACTIVITIES

As part of the activities of the College of Computer Science and Informatics at AAU in serving the community, I gave a workshop to a group of school-students from the area of Abu Nusir. Participants were introduced to the importance of computer programming and why should school students learn programming. The workshop included a set of activities that promote the development of students' skills in problem solving and critical thinking. May 5, 2018.

Member/chairperson of several Accreditation Committees for accrediting CS and CIS study programs at several Jordanian Universities. The Higher Education Accreditation Commission (HEAC), Jordan.

Committee chairperson in charge of laying down accreditation bylaw for Computer Graphics curriculum, The Accreditation Board, Ministry of Higher Education, Jordan, August 2007.

AWARDS RECEIVED

Recognition of service award in appreciation for contributions to ACM SAC2000 Track Co-Chair of the Parallel and Distributed Computing, March 2000.

GRADUATE STUDENTS SUPERVISION

Student Name	Thesis Title
Aml M. Hashem	Hybrid Image Compression Technique Using Discrete Fourier Transform and Discrete Wavelet Transform
Aesha A. H. Amhammed	Hybrid Image Compression Technique Using Discrete Fourier Transform and Discrete Cosine Transform
Enas Bataineh	Malicious Activities Detection in IoT Environment Using a Hybrid Technique in Machine Learning
Tahseen A. Al-Ramadin	Reduction Technique For Instance-Based Learning Using Distributed Genetic Algorithms
Bassam Mohammad Al-Mahadeen	Routing in Mesh-Hypercube Networks

REFERENCES